Your Partner for Light

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www.adblighting.com

ADB
Lighting Technologies

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About ADB

ADB - Your Partner for Light

A wealth of experience and innovation in stage and studio lighting

1920 ADB originally founded in by Mr Adrien de Backer – whose initials provided the company name - began its life as a manufacturer of electrical equipment for laboratories, mainly rheostats.

1925 ADB applied the rheostats and later on the RHEOTOR® variable transformers to the dimming of light in theatres, music halls and cinemas. The company was, notably, responsible for producing the first light dimmer for the Malines theatre in Belgium. This equipment served for over forty years.

1938 The first spotlights were introduced and soon afterward lighting control became electromechanical and partially motorized with relay control.

1950 The start of a long period, of innovations, with for ex. dimmers based on thyratrons, on magnetic amplifiers and, since 1965, on thyristors. And also, the first memory control desks based on punched cards, ferrites, magnetic tape, floppy disc, and finally in 1985 on microprocessors.

1987 ADB was acquired by the SIEMENS Group. At that time ADB was already strongly established as a worldwide broad line manufacturer of professional stage and studio lighting equipment.

2002 Following a management buy-out, the ADB Group was restructured, the production streamlined and upgraded in order to make of ADB a lean and agile operation able to face new challenges.

2004 Launch of WARP, a revolutionary zoom profile spotlight with ring control and motorization of all functions.

2009 The new standard in dimming is introduced: EURODIM Twin Tech – and DimSwitch modules allowing advanced solid state dimming and switching with a single type of module.

2010 ALC4 – A modular, multipurpose high power LED Luminaire is introduced – initially featured as key fixture lighting the 50 m cyclorama of the Jean Michel Jarre World Tour 2010.

Today ADB operates through 3 subsidiaries in France, Belgium and Hong Kong, and a network of professional distributors in over 50 countries.
Production and logistics are centralized in the French facility of Saint-Quentin, whereas R&D, Product Engineering, Marketing and International Sales are located at the Belgian headquarters.

ADB Belgium

ADB France, Paris

Factory & Group Logistics Centre, Saint-Quentin, France

ADB Hong Kong

ADB Lighting Technologies

Company Profile

ADB-Partner of Theatre and Television Professionals

ADB's core competence is in high performance, high quality products and services for professional applications in stage and studio lighting.

ADB is mastering software and hardware development, as well as product engineering and production of all key components of a stage or studio lighting system, i.e. luminaires, dimmers, controls desks, networks and motorized suspensions. For the end user, this is the guarantee of system wide compatibility of all components, easier maintenance, plus the comfort of dealing with only one responsible partner.

ADB is particularly at home with ready-to-run projects. For each individual case, in close collaboration with the customer and his architects, set designers or consultants, ADB proposes the solution best suited to the specific needs of the user.

ADB Capabilities

Quality Products

Luminaires
Dimmers
Control Desks
Rigging
Lighting Vans
Accessories

Worldwide Service

Training
Seminars
Repairs
Maintenance
Stocks
Consulting

Turnkey Projects

Concept
Design
Engineering
Manufacture
Installation
Commissioning

From system design through equipment specifications, installation and commissioning, the ADB Project Team provides customized solutions for any kind of stage or studio lighting system, even complete lighting vans for use wherever power supply is not available. ADB Project Engineers ensure efficient coordination with Consultants and Architects as well as the specialists in infrastructures, air conditioning, stage machinery, sound, electricity, e.a. so as to guarantee to the end user timely project completion and total system performance.

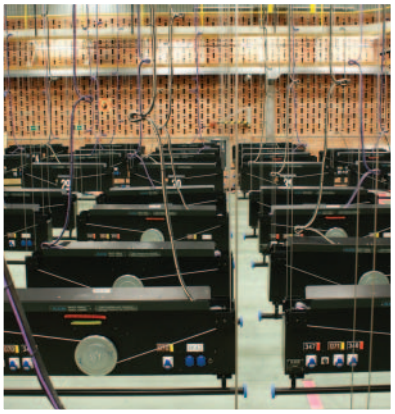
These capabilities, coupled with a long experience, have made of ADB a partner of choice for lighting professionals around the world. ADB is proud to count among its customers, not only the most prestigious theatres, but also many state and private television networks in over 50 countries.

A wealth of experience in stage and studio lighting, a comprehensive range of high quality products and a strong project management capability are some of the key strengths which have made of ADB the preferred partner of so many Theatre and Television Lighting Professionals around the world.

Metropolitan Opera New York

The totally silent WARP Motorized profile spotlights are the choice of discerning lighting professionals in many prestigious venues:

Monnaie Opera Brussels, Belgium,
Shen Zen Concert Hall, China,
Bayerische Staatsoper, Munich Germany,
Glyndebourne Festival, United Kingdom



VRT - TV STUDIO Brussels Belgium

Professional Broadcasting Studios request 100% reliability and functionality.

Major broadcasters relying on ADB:
National BTV-Minsk, Belarus,
TF1 Paris,
Channel 11 Bangkok, Thailand,
National Television HRT, Croatia,
BBC Studios, United Kingdom

TV Lighting & Energy Van Algerian TV

A speciality of our project department is to design and supply custom solutions, such as this lighting van.

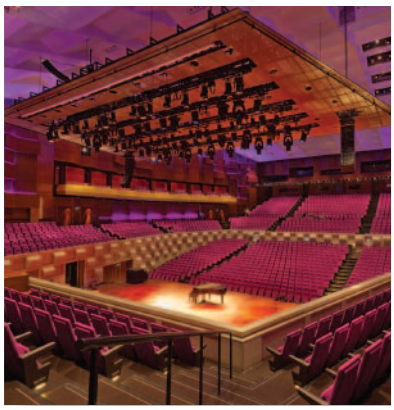
Should you have any specific lighting requirement, do not hesitate to contact our project deparment.

Projects & Achievements

BASTILLE Opera
Paris - France

Replacement of dimmers originally installed for the theatre's opening in 1989 by newest EURODIM Twin Tech technology.

Many famous opera houses rely on the quality and endurance of ADB digital dimmers, such as:
Teatro alla Scala, Milano,
Bolshoi, Moscow,
Opera Garnier, Paris,
Grand Théâtre de Genève, Switzerland



DE DOELEN
Rotterdam - The Netherlands

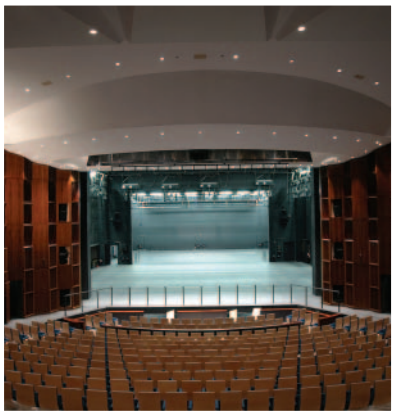
ADB supplied a broad range of luminaires including WARP/Motorized, as well as EURODIM sine wave dimmers, important in acoustically demanding concert halls.

Other fine venues:
Concert Haus, Vienna, Austria
Palau de les Arts Reina, Sofia, Spain
Casa di Musica, Porto, Portugal
Oriental Arts Centre, Shanghai, China
Tonhalle, Düsseldorf, Germany
Gewandhaus, Leipzig, Germany

National Centre for the Performing Arts
Beijing - China

Strong throughout Asia, ADB supplied the complete lighting control system, dimmers and networking for the Opera as well as luminaires for the entire multi-venue complex.

Other references in Asia:
Shanghai Grand Theatre, China
Kimhae Cultural Centre,
Seoul, Art Centre,
Soengnam, Culture Hall, Korea
NHK, Osaka,
New National Theatre, Tokyo, Japan
ITV Television, Taiwan



Municipal Theatre
Luxemburg

A turnkey lighting project, engineered by ADB project specialists, featuring customized solutions for meeting specific requirements.

Similar cases:
Casino Oostende, Belgium,
Macau Cultural Centre, China,
C-Mine Genk, Belgium

An impressive reference list is available upon request.

Control Desks & Networks

In 1945, ADB lighting control was electromechanical and partially motorized with relay control. In 1962, first ADB “punched card” memory control desks were state-of-the-art. Between 1968 and 1975, punched cards were replaced successively by ferrites, magnetic tapes and floppy disc systems. Then in 1985, ADB introduced S28, the first control system based on microprocessors.

Today, ADB has completely renewed its range of lighting control boards to meet the various requirements of stage and studio lighting professionals.

Based on HATHOR, a new software, LIBERTY and FREEDOM are the latest additions to the range. Key features include a graphical user interface with support for multi-touch screens, advanced luminaire and fixture tracking facilities, state-of-the-art lighting cue transfer control, as well as flexible user configuration and customization.

A selected range of networking devices and Ethernet system solutions allows the build-up of a comprehensive lighting control system.

CONTROLLING

LIBERTY

FREEDOM

Top range professional lighting consoles for control of generic and moving lights. Through optional software extensions FREEDOM and LIBERTY feature true multi-user operation in networked environments.

DOMINO 24/48/48XT/96XT

4 very competitive consoles for small to medium size venues, designed for maximum flexibility and ease of use.

MIKADO

The user friendly console for manual and memory control.

SWING

Manual Control Desk, 6 or 12 channels with DMX output.

FREEDOM

The state of the art lighting and show control tool when more multi-parameter instruments are needed to be controlled and fast access is required. Together with the LIBERTY console this range is ideal for all venues seeking a fully integrated solution to control conventional and moving lights as well as LED sources and other modern equipment in a portable package.

FREEDOM features four additional rotary wheels with pushbutton function and a super smooth large size trackball for precision positioning control. FREEDOM allows users to control quantities of multiple LED fittings, intelligent lights or media servers as well as the standard generic dimming systems.

Four physical DMX outputs and one physical DMX512 input on board with 5 pole standard XLR connection sockets can be used in case no ETHERNET network is available.

Highly intuitive thanks to the graphical user interface and powered by the HATHOR software this desk meets the sophisticated needs of all lighting professional. The lighting control desk philosophy has been specifically designed for theatre stage lighting without any compromise.

FREEDOM is available in five basic configurations controlling channel numbering from 120 to 2048 multi-parameter lighting instruments and can address up to 32 universes via suitable networks. Synchronised backup is optionally available. FREEDOM consoles perform as standalone or as a client consoles in an extended networked system. Networked FREEDOM consoles will support multi-user / multi-operator setups with optional software packages and hence works perfectly together with other control desks powered by HATHOR software.

Playbacks

- 1 Grandmaster with Blackout key.
- 24 physicals Submasters with assign key and Flash key.
- Modes: Solo / Inhibit / Focusing / Rubberband & Auto-execute look.
- Loading possibilities: Channels, Groups, Presets, Looks.
- Chasers, Attributes and Palettes.
- 1 Master Playback 100 mm (Sequential Theatrical Crossfade).
- GO / GO BACK / PAUSE / Jump / SEQ- & SEQ + keys.
- 1 Intensity / Speed control wheel.

Moving Light Controls

- 4 rotary Wheels with Pushbutton function.
- 1 Trackball 50 mm.

Keypad

- Status information LCD.
- Channel selection: +, -, Thru, +%, -%, At Level, All and Invert commands.
- RECORD/UPDATE for Presets, Looks, Groups, and Palettes with filtered options.
- Direct Frame (Gel String Colour) key.
- Direct Numeric entry for SEQUENCE Times and Special.
- Times.
- Undo key.

Integrated 10.1" LED Touchscreen

5 Dedicated keys for very quick related content display:

- SEQUENCE
- SUBMASTERS
- CHANNELS
- MOVING LIGHTS CONTROL
- UNLIMITED USER SCREEN LAYOUTS

Memory Control Desks

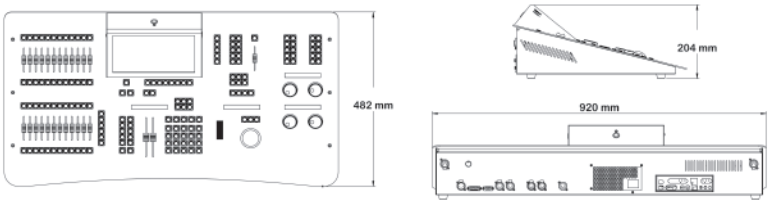
Code	Description	Reference
	FREEDOM - 120 channels	FREEDOM/120
	FREEDOM - 240 channels	FREEDOM/240
	FREEDOM - 360 channels	FREEDOM/360
	FREEDOM - 512 channels	FREEDOM/512
	FREEDOM - 1024 channels	FREEDOM/1024
	FREEDOM - 2048 channels	FREEDOM/2048

Basic desk featuring:
- 4 DMX universes on XLR5
- 1 DMX input on XLR5
- 32 DMX addressable universes through Ethernet (depends on deployed protocol)
- Universal power supply 90-264 V, 50-60 Hz
- 1 SVGA and 1DVI (or HDMI) Video Screen output
- 8 external lines for remote triggering
- 1 Audio input
- 1 Ethernet, on RJ45
- 1 keyboard port
- 2 XLR3 for 12V "gooseneck" desk lamp

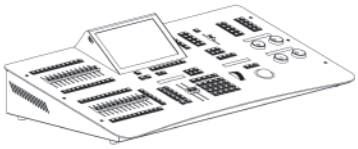
Supplied with:
- Alphanumerical keyboard (QWERTY, AZERTY or QWERTZ) and optical Mouse
- Power Supply cable
- Dust cover
- Quick Start User Manual and System restore Media

Hardware Options and Accessories

Additional block of 120 channels (retrofit for upgrade of 120 and 240 Channel Desks to next group)	120CH/UP/HAT
Additional block of 512 channels (retrofit for 512 up to 1024 instruments)	512CH/UP/HAT
DVD Player / Writer with USB connection	DVD
MIDI – USB adaptor	MIDI/USB
22" LCD/TFT monitor	LCD22
22" LCD/TFT monitor with Multi Touch Integrated	LCD22/HAT
XLR3 "gooseneck" desk lamp	WORKLITE/XLR3
Flight case for FREEDOM consoles	FLY/F
Flight case for 22" Touchscreen Monitor	FLY/M/L
Backup for FREEDOM 120	RPU/120
Backup for FREEDOM 240	RPU/240
Backup for FREEDOM 360	RPU/360
Backup for FREEDOM 512	RPU/512
Backup for FREEDOM 1024	RPU/1024
Backup for FREEDOM 2048	RPU/2048
Wireless Remote Control unit	WIFI/FULL/HAT



Dimensions



LIBERTY

LIBERTY is the spot-on solution for space-challenging environments and all venues seeking a fully integrated solution in a highly compact and portable package with the capacity of much larger and more expensive lighting consoles.

The control desk software (which is common with the FREEDOM console) itself has been developed with the requirements of modern lighting design in mind. The lighting control desk philosophy has been specifically designed for theatre stage lighting without any compromise. As an operator it is easy to advance from a LIBERTY console to other members of the HATHOR software powered lighting control desk family thanks to the highly intuitive operating interface.

The heart of the unit is driven by a dual core processor with multiple graphical screens and running under the recent embedded version of Windows OS. This design offers unrivalled performance and reliability, as well as the flexibility to incorporate the software drivers for the latest peripheral devices. The lighting console exchanges among other protocols with standard ASCII show files. The operator may freely configure the screen layout and tailor the user interface to their personal needs and preferences.

LIBERTY is available in five basic configurations controlling channel numbering from 120 to 1024 multi-parameter lighting instruments and can address up to 16 universes via suitable networks. Synchronised passive backup feature is integrated in the system. LIBERTY consoles perform as standalone or as a backup/client desk in an extended network system. Networked LIBERTY and FREEDOM consoles will support multi-user / multi-operator setups with optional software packages.

Playbacks

- 1 Grandmaster with Blackout key.
- 24 physicals Submasters with assign key and Flash key.
- Modes: Solo / Inhibit / Focusing / Rubberband & Auto-execute look.
- Loading possibilities: Channels, Groups, Presets, Looks.
- Chasers, Attributes and Palettes.
- 1 Master Playback 100 mm (Sequential Theatrical Crossfade).
- GO / GO BACK / PAUSE / Jump / SEQ- & SEQ + keys.
- 1 Intensity / Speed control wheel.

Moving Light Controls

- 4 virtual touchscreen sliders located on the central 10.1” LED Touchscreen.

Keypad

- Status information LCD.
- Channel selection: +, -, Thru, +%, -%, At Level, All and Invert commands.
- RECORD/UPDATE for Presets, Looks, Groups, and Palettes with filtered options.
- Direct Frame (Gel String Colour) key.
- Direct Numeric entry for SEQUENCE Times and Special.
- Times.
- Undo key.

Integrated 10.1" LED Touchscreen

5 Dedicated keys for very quick related content display:

- SEQUENCE
- SUBMASTERS
- CHANNELS
- MOVING LIGHTS CONTROL
- UNLIMITED USER SCREEN LAYOUTS

Memory Control Desks

Code	Description	Reference
	LIBERTY - 120 channels	LIBERTY/120
	LIBERTY - 240 channels	LIBERTY/240
	LIBERTY - 360 channels	LIBERTY/360
	LIBERTY - 512 channels	LIBERTY/512
	LIBERTY - 1024 channels	LIBERTY/1024

Basic desk featuring:

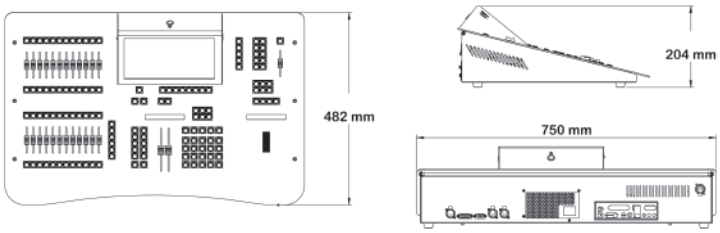
- 2 DMX universes on XLR5
- 16 DMX addressable universes through Ethernet (depends on deployed protocol)
- Universal power supply 90-264 V, 50-60 Hz
- 1 SVGA and 1DVI (or HDMI) Video Screen output
- 8 external lines for remote triggering
- 1 Audio input
- 1 Ethernet, on RJ45
- 1 keyboard port
- 1 XLR3 for 12V "gooseneck" desk lamp

Supplied with:

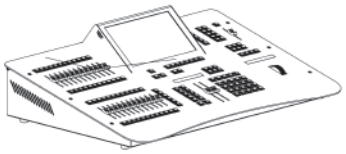
- Alphanumerical keyboard (QWERTY, AZERTY or QWERTZ) and optical Mouse
- Power Supply cable
- Dust cover
- Quick Start User Manual and System restore Media

Hardware Options and Accessories

Additional block of 120 channels (retrofit for upgrade of 120 and 240 Channel Desks to next group)	120CH/UP/HAT
Additional block of 512 channels (retrofit for 512 up to 1024 instruments)	512CH/UP/HAT
DVD Player / Writer with USB connection	DVD
MIDI – USB adaptor	MIDI/USB
22" LCD/TFT monitor	LCD22
22" LCD/TFT monitor with Multi Touch Integrated	LCD22/HAT
XLR3 "gooseneck" desk lamp	WORKLITE/XLR3
Flight case for LIBERTY consoles	FLY/L
Flight case for 22” Touchscreen Monitor	FLY/M/L
Backup for LIBERTY 120	RPU/120
Backup for LIBERTY 240	RPU/240
Backup for LIBERTY 360	RPU/360
Backup for LIBERTY 512	RPU/512
Backup for LIBERTY 1024	RPU/1024
Wireless Remote Control unit	WIFI/FULL/HAT



Dimensions



DOMINO

DOMINO/XT 48/96

Main Features:

- 48 faders in 2-preset mode or 96 faders in extended mode on DOMINO/XT/96 - 24/48 faders on DOMINO/XT/48.
- 48 faders configurable as channels, submasters or playbacks on DOMINO/XT/96 - 24 faders on DOMINO/XT/48.
- 18 dedicated faders configurable in 9 pages as submasters or playbacks.
- 4 preset masters-A preset, B preset, C preset and grab.
- Theatrical dipless crossfade with 2 general masters, stage and preset, and dedicated buttons.
- Up to 594 memories on DOMINO/XT/96 - 378 on DOMINO/XT/48.
- Individual In (Up) and Out (Down) fade times.
- Up to 66 playbacks/chasers on DOMINO/XT/96 can be played simultaneously - 43 on DOMINO/XT/48.
- Fully proportional softpatch to 1024 dimmers.
- 2-preset, extended & memory modes, each fader with flash button.
- LED display showing status information via scrolling messages.
- Up to 250 steps of a chaser can be recorded as channels, or Memories/Snapshots.
- 1 SVGA output for displaying texts, memories, patch and help menus in multiple languages.
- 1 USB connector for show recording.
- MIDI IN/OUT connector (optional for DOMINO/XT/48 & 96).
- Moving light control module (optional on DOMINO/XT/48 and DOMINO/XT/96) and featuring:
  - Powerful effects engine and automatic fanning of fixtures.
  - Extensive fixture library with Web updates.
  - Comprehensive controls for filters, palettes, presets, cloning, groups,storing, lock home, etc.
  - 6 touch pad displayers (virtual wheels) for parameter control.
  - DOMINO/XT/48/M: 36 groups, 96 presets, 96 pallets and 378 effects.
  - DOMINO/XT/96/M: 36 groups, 192 presets, 192 pallets and 594 effects.
- 2 DMX512/1990 output on XLR-5F connector.
- 90-260 V, 47/63Hz power supply with automatic detection.

DOMINO 24/48

Main Features:

- 24 faders in 2-preset mode or 48 faders in extended mode on DOMINO 48 - 12/24 faders on DOMINO 24.
- 24 faders configurable as channels, submasters or playbacks on DOMINO 48 - 12 faders on DOMINO 24.
- 3 preset masters: A preset, B preset and grab.
- Theatrical dipless crossfade with 2 general masters, stage and preset, and dedicated buttons.
- Up to 216 memories on DOMINO 48 - 108 on DOMINO 24.
- Individual In (Up) and Out (Down) fade times.
- Up to 25 playbacks/chasers on DOMINO 48 can be played simultaneously - 13 on DOMINO 24.
- Fully proportional softpatch to 512 dimmers.
- 2-preset, extended & memory modes, each fader with flash button.
- LED display showing status information via scrolling messages.
- Up to 250 steps of a chaser can be recorded as channels, or Memories/Snapshots.
- On DOMINO 24 U & 48 U as standard, and on DOMINO 24 & 48 as retrofit option:
  - 1 SVGA output for displaying memories, patch, texts and help menus in multiple languages
  - 1 USB connector for show recording
  - MIDI IN/OUT connector.
- 1 DMX512/1990 output on XLR-5F connector.
- 90-260 V, 47/63Hz power supply with automatic detection.

Manual and Memory Control Desks

Code	Description	Reference
5023.10.230	**DOMINO/XT/48** - 48 channels - 1024 DMX addresses - 1 SVGA output	DOMINO/XT/48
5023.10.235	**DOMINO/XT/48/M** - 48 channels - 1024 DMX addresses - 1 SVGA output - Motion control module	DOMINO/XT/48 M
5023.10.240	**DOMINO/XT/96** - 96 channels - 1024 DMX addresses - 1 SVGA output	DOMINO/XT/96
5023.10.245	**DOMINO/XT/96/M** - 96 channels - 1024 DMX addresses - 1 SVGA output - Motion control module	DOMINO/XT/96 M
	Supplied with: power supply cable with CEE 7-7 plug	
	Option	
5023.20.053	• Moving light control module (for retrofit on DOMINO/XT/48 and DOMINO/XT/96), featuring: - Powerful effects engine and automatic fanning of fixtures. - Extensive fixture library with Web updates. - Comprehensive controls for filters, palettes, presets, cloning, groups, storing, lock home, etc. - 6 touch pad displayers (virtual wheels) for parameter control. - Module added on DOMINO/XT/96: 36 groups, 96 presets, 96 pallets and 378 effects. - Module added on DOMINO/XT/96: 36 groups, 192 presets, 192 pallets and 594 effects.	MC/DOM/XT
	Accessories	
2810.00.080	USB memory stick	FLASHMEM
1105.53.475	XLR3 "gooseneck" desk lamp	WORKLITE/XL3
1001.30.062	Dust cover for DOMINO/XT/48	DC/DOM/XT/48
1001.30.063	Dust cover for DOMINO/XT/96	DC/DOM/XT/96
5023.20.140	Flight case for DOMINO/XT/48	FLY/DOM/XT/48
5023.20.150	Flight case for DOMINO/XT/96	FLY/DOM/XT/96
	Dimensions	
	DOMINO 48 XT: 734 x 535 x 144 mm - Net weight: 15.5 kg DOMINO 96 XT: 974 x 535 x 144 mm - Net weight: 26.0 kg	
5023.10.210	**DOMINO 24** - 24 channels - 512 DMX addresses	DOMINO/24
5023.10.215	**DOMINO 24 U** - 24 channels - 512 DMX addresses + USB option	DOMINO/24 U
5023.10.220	**DOMINO 48** - 48 channels - 512 DMX addresses	DOMINO/48
5023.10.225	**DOMINO 48 U** - 48 channels - 512 DMX addresses + USB option	DOMINO/48 U
	Supplied with: power supply cable with CEE 7-7 plug	
	Option	
5023.20.034	USB option for retrofitting on DOMINO 24 & 48 and providing: - 1 SVGA output for displaying memories, patch, texts and help menus in multiple languages - 1 USB connector for show recording - MIDI IN/OUT connector.	USB/DOM
	Accessories	
2810.00.080	USB memory stick	FLASHMEM
1105.53.475	XLR3 "gooseneck" desk lamp	WORKLITE/XL3
1001.30.060	Dust cover for DOMINO 24	DC/DOM24
1001.30.061	Dust cover for DOMINO 48	DC/DOM48
5023.20.120	Flight case for DOMINO 24	FLY/DOM24
5023.20.130	Flight case for DOMINO 48	FLY/DOM48
	Dimensions	
	DOMINO 24: 464 x 367 x 115 mm - Net weight: 7.5 kg DOMINO 48: 684 x 367 x 115 mm - Net weight: 10.5 kg	

MIKADO 12/24

Main Features:

- 12 faders in 2-preset mode or 24 faders in extended mode, each with flash button and LED indicator.
- 3 pages of memories with 12 submaster faders per page = 36 memories.
- A submaster can be either a memory or a chaser and up to 13 memories/ chasers can run simultaneously.
- 3 preset masters – A preset, B preset and grab.
- Add/Solo button with flash level master.
- Edit and preview of stored memories with channel level indicators.
- Manual and automatic dipless crossfade.
- Speed control of chasers.
- Chaser effects including Start/Stop/Step, random, bounce, single shot, forward/reverse direction, delete/add steps.
- Audio input with bass effect for chasers and audio level adjustment.
- External line input on 1/4" mono jack for remote control of chasers.
- 1DMX512/1990 output on XLR-5F connector.
- Internal power supply unit, input 230 V +/- 10% - 50/60 Hz.

SWING

SWING 12

Main Features:

- 12-channel manual desk.
- 2 presets of 12 channels.
- General master.
- Manual crossfade.
- DMX512/1990 output on XLR-5F connector.

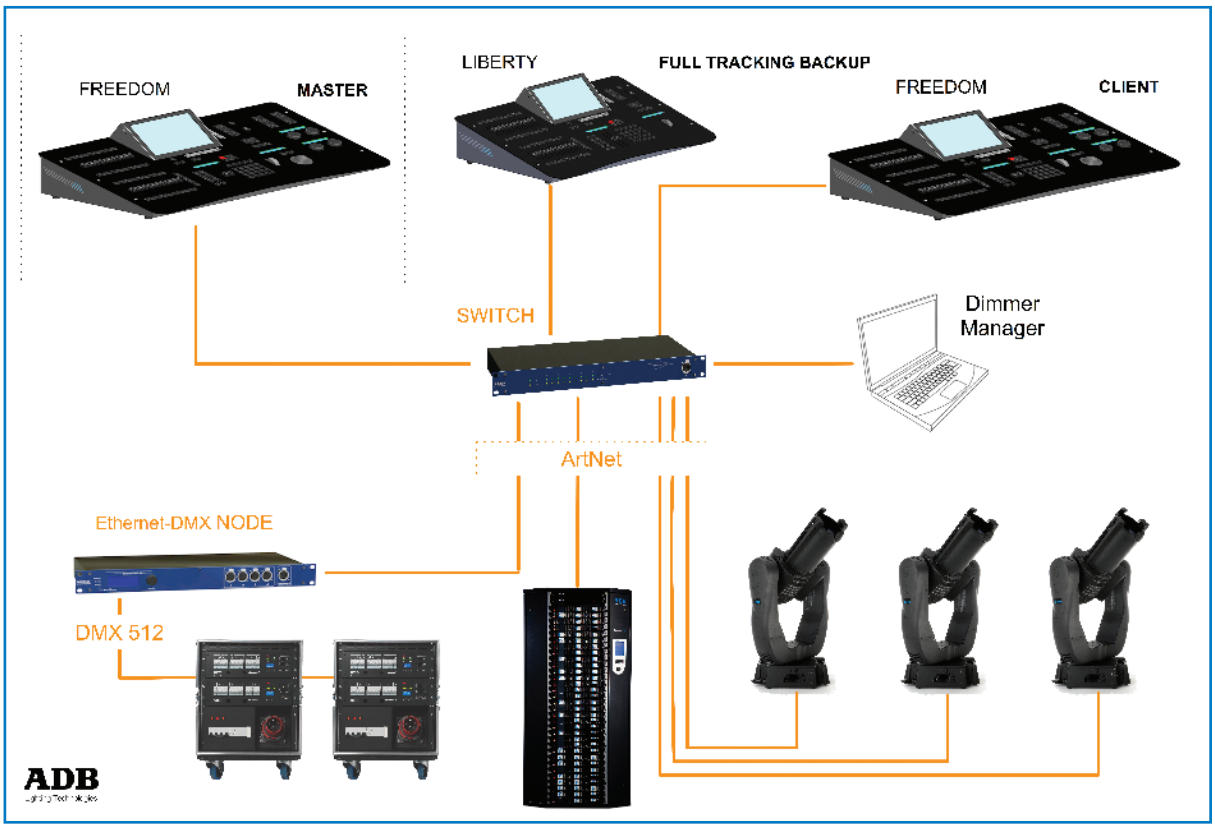
SWING 6

Main Features:

- 6-channel manual desk.
- DMX512/1990 output on XLR-5F connector.

Manual and Memory Control Desks

Code	Description	Reference
5023.10.200	**MIKADO**	MIKADO
	Supplied with: power supply cable with CEE 7-7 plug	
	Accessories	
5023.20.033	19" rack mount brackets	KIT/FIX/MIK/19
5023.20.032	External memory module, allowing recording of up to 4 show data	MEM/EXT/MIK
	Dimensions MIKADO: 438 x 346 x 104 mm - Net weight: 5 kg	
1105.30.461	**SWING 12**	SWING 12
	Supplied with: 1 external power supply unit with 1.5 m cable. 9 VDC supply unit, input 230 V +/- 10% - 50/60 Hz.	
1105.30.451	**SWING 6**	SWING 6
	Supplied with: 1 external power supply unit with 1.5 m cable. 9 VDC supply unit, input 230 V +/- 10% - 50/60 Hz.	
	Dimensions SWING 6: 175 x 140 x 48 mm - Net weight: 1.2 kg SWING 12: 280 x 247 x 48 mm - Net weight: 2.2 kg	



FREEDOM and LIBERTY control desks are ideal to work in a network configuration and may perform as stand alone or as back-up/client desks in an extended network system. A synchronised passive back-up feature is always integrated as standard in the system. Beyond that, networked LIBERTY and FREEDOM consoles support multi-user / multi-operator setups with either one of two optional software packages. One is designed for Networks with two desks (DUO) and another (MULTI) for networks with multiple desks. The lighting show information is completely updated instantaneously on line and different lighting desks operators can edit, run and manipulate a show all at the same time. This is a very powerful feature when large lighting installations have to be programmed swiftly and one operator would not be able to control all devices at the same time.

Above is an example of three desks working in Multi-User mode with some peripheral equipment connected to the system. Below are only some typical network products listed in this catalogue. Should you be interested in other configurations please contact our ADB Project Specialists who will advise on the most suitable solution for your own application.

SPLITTER

DMX512-A 2.10 Hub
Distribute up to 2 DMX lines to 10 outputs. Bidirectional fully isolated RDM / DMX splitter, booster. 2 Input zones and 10 selectable outputs. All in 1 unit 19" rack space.

NODE

Ethernet-DMX2 (NODE / 19)
2 port DMX <-> Artnet node in a 19", 1 unit metal enclosure.
Ideal for touring.
DMX Input and/or output.
Merging / backup / patching / routing.

Accessories and Software

When installing network systems, great care must be taken to the quality of cabling and connectors. If you are in doubt please contact ADB projects department for more information on the design of your project. We also recommend planning on-site commissioning by factory trained service technician.

Our partner LUMINEX offers, via its website, free of charge software tools to monitor and control lighting networks, and we recommend downloading from www.luminex.be

Code	Description	Reference

Networking options for FREEDOM / LIBERTY desks

Networking System Tracking Backup & active client for 2 Desks (DUO) NET/DUO/HAT
Networking Software Full Synchro for multiple Desks (MULTI) NET/MULTI/HAT

If advanced Networking options are required one of the networking software licences must be procured per installation. For further information please contact your nearest ADB distribution partner or ADB directly.

DMX512 Splitter - DMX512-A 2.10 Hub

DMX/SPLIT

Connections:

- 2 DMX512-A in/outputs on 5 pin male XLR, with termination (RDM compliant)
- 10 DMX512-A in/outputs on 5 pin female XLR, with termination (RDM compliant)
- Fixed mains lead (90-260 VAC, 47-63 Hz) 2 DMX512-A in/outputs on 5 pin male XLR on the back panel (identical to the 2 zone inputs on the front end)

Standard Ethernet Switch

16 ports Ethernet Switch NET/SWITCH/16P
24 ports Ethernet Switch NET/SWITCH/24P

Main features:

- Intelligent Fast Ethernet Switch
- 19", 1 U metal housing
- 10/100 Mbit
- Internal power supply

Network Node - 19” Ethernet Converter Node

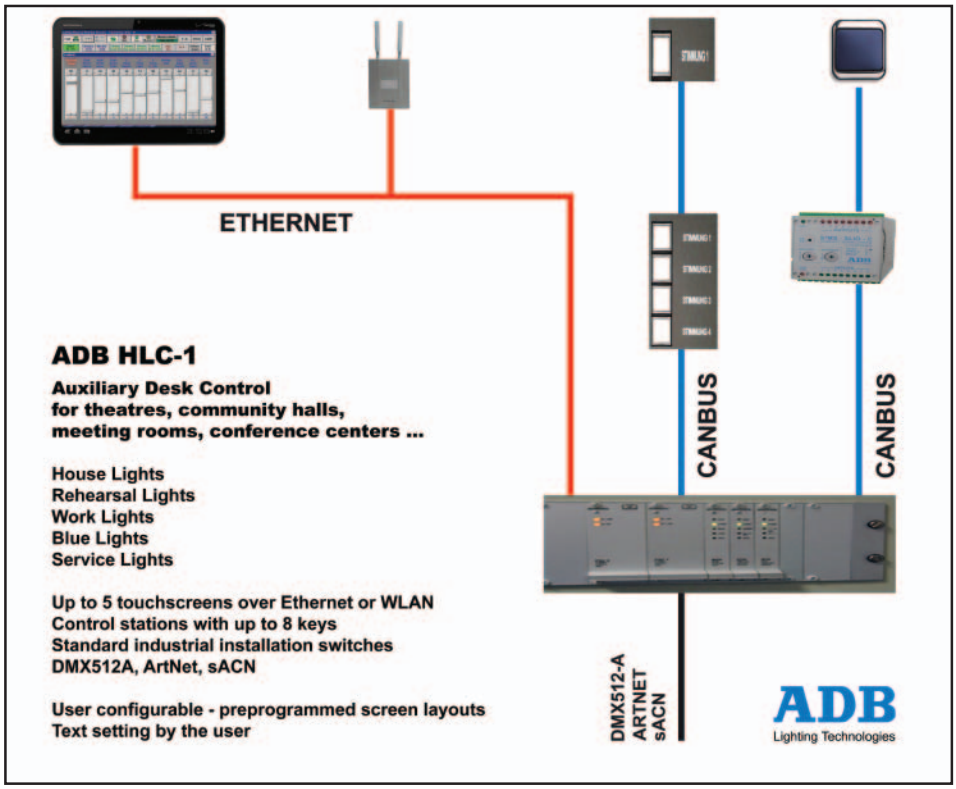
NODE/19

Main features :

- Ethernet/Art-Net node for converting Art-Net into DMX512-A, or DMX512-A into ArtNet.
- 2 outlets, compatible with DMX512-A, can be used as input or output

Supplied with: power cable with plug

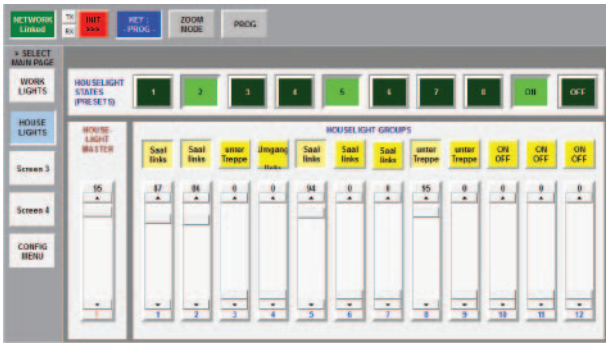
HLC-1



HLC-1, **H**ouse **L**ighting **C**ontrol, is a simple, programmable, plug-and-play House Lighting Control System.

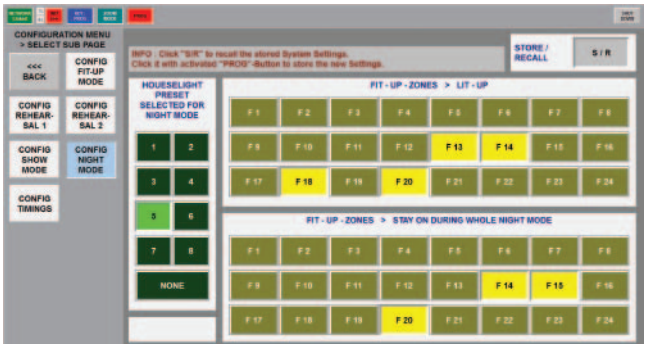
Installation is quick and easy, limited to connecting the control unit to Ethernet and CANBUS, and the outputs to the dimmers via DMX, Ethernet or ADB's SLIO module. The system is then ready to control houselights, worklights, rehearsal and service lights. Total flexibility is provided by the possibility to customize the parameters, for ex. changing lighting configuration, colours texts,… and storing data with a password.

HLC-1 is a significant achievement in terms of a very flexible and powerful control system at an attractive price, with the additional benefits of user friendly installation, handling and programming.



House Lighting

- Control of up to 12 zones, with SUM, ON-switch and 8 memories.



Settings by the User

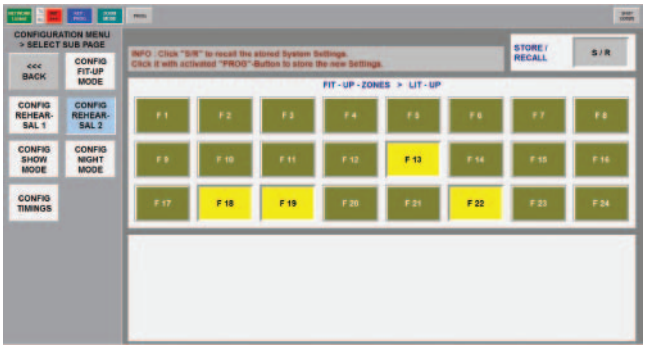
- Simple software updates and backups by the user.
- User passwords.

Worklights

- Control of up to 24 zones.
- "Blue Light" up to 16 zones.
- Switched sockets.

Worklight Masters

- 4 presets for fit-up, rehearsal, show and night.



Settings by the User

- Layout of pushbuttons and faders.
- Dimensions and colours.
- Texts.
- Choice between lit-up, enabling and stay-on for each button in each preset.

STAGE & STUDIO MANAGEMENT SYSTEM

Code	Description	Reference
1105.31.200	**House Light Control Main Unit**	HLC1/MAIN

Handling

- Up to 3 or 5 touchscreen PCs, Notebooks or Netbooks (depending on licence).
- Push button panels with 1, 2, 4 or 8 backlighted buttons via CAT cabling.
- Architectural Switches to be used with ADB's SLIO-Module.

CPU/Processor

- Plug-In modules in 19" rack for easy maintenance.
- Storage of all important data directly in the CPU.
- Compatible with Ethernet and CANBUS protocols.
- Industrial design for 24h continuous operation.

Back-up

- Optional back-up power supply.
- User interface running on each USB Stick.

Protocols

- DMX512-A, ARTNET, sACN.
- CANBUS.
- Client/Server architecture.
- Direct control of ADB's DimSwitch.
- Fully compatible with ADB's S2MS architectural control system.

Options & Accessories

1105.31.221	21" touchscreen PC	HLC1/T21
1105.31.210	10" touchscreen PC	HLC1/T10
1105.31.203	Software, up to 3 PCs	HLC1/SOFT3
1105.31.205	Software, up to 5 PCs	HLC1/SOFT5
1105.31.231	Push button unit (1 button)	HLC1/HSB2/1
1105.31.232	Push button unit (2 buttons)	HLC1/HSB2/2
1105.31.234	Push button unit (4 buttons)	HLC1/HSB2/4
1105.31.238	Push button unit (8 buttons)	HLC1/HSB2/8
1105.31.240	Power supply for up to 8 units daisy chain	HLC1/PSU24
1105.31.245	CANBUS HUB 8 port for star-cabeling	HLC1/XHUB
1105.31.250	SLIO converter for standard installation switches	HLC1/SLIO
1105.31.251	Ethernet output ARTNET	HLC1/ARTNET
1105.31.252	Ethernet output sACN	HLC1/SACN

Dimmers

In 1925 ADB produced the first theatrical dimmers by applying rheostats to the control of light in theatres, music halls and cinemas, soon followed by the RHEOTOR® variable transformers.

From 1950 onwards, a serie of innovations resulted in dimmers based on electronic tubes (thyratrons), then magnetic amplifiers and, in 1965, on semiconductors (thyristors). These dimmers featured analogue control until 1989 when ADB delivered to the Egyptian Television EURODIM 1, the first all digital thyristor power dimming system. Further ADB innovations added the full diagnostic and the instant back-up functions, which have become standard on most dimmers.

Today, the forth generation of EURODIM dimmers, the EURODIM Twin Tech, has come to life, bringing in a high density cabinet the best of two worlds, i.e. Transistor Technology for state-of-the-art sine wave dimming, and Thyristor Technology with its proven track record.

Another ADB innovation is DimSwitch, a solid state relay which offers a unique dual capability: EURODIM Twin Tech thyristor modules (4 x 3 kW, 3 x 5 kW or 1 x 10 kW) can be programmed to function as either a switch for non-dimmable loads, or as a normal dimmer with no minimum load required.

DIMMING

EURODIM Twin Tech

EURODIM Twin Tech is a high density dimmer cabinet designed specifically for professional lighting installations in theatres, concert halls, TV studios. It brings the best of two worlds, i.e. Transistor Technology for state-of-the-art sine wave dimming, and cost effective Thyristor Technology with its proven track record.

The universal cabinet can host up to 128 channels of 3 kW (thyristors) or 2.5 kW (sine wave) installed in 32 plug-in modules, with 2 more slots for central electronics and optional back-up.

An innovative concept allows for plug-in modules of any type or rating to be freely mixed and moved in any configuration within the universal cabinet. This is made possible by the instant, automatic module identification by the central electronics and represents the ultimate in terms of flexibility. So no reprogramming is necessary whenever the cabinet configuration is modified.

EURORACK Wall Mount Dimmer

Very compact, intelligent, all-digital dimmer rack for wall mounting, designed for professional applications in stage, TV studio and architectural lighting, whenever high performance, space and cost are the prime considerations.

MEMORACK 30

19” professional dimmer unit. Designed for Rack Mount and Pack applications, whenever high performance, quality, endurance and reliability are prime consideration.

MIKAPACK 15/30

All-digital dimmer pack combining the performances and the reliability of a professional dimmer at a very competitive price. Designed for decentralised dimming in fixed installations, in stage, TV studio and architectural lighting.

Flight Case Dimmers & Touring Racks

MEMORACK and MIKAPACK dimmer modules can also be factory installed in suitable flight cases for touring applications.

Eurodim twin tech

One standard cabinet. No specific configuration of module places required. The cabinet fits all applications. Even if the final dimmer circuit layout has not been yet defined when you have to start installation, you can already order your cabinets. The system is future proof. You can add later on more circuits. Just order additional dimmer modules, put them in the cabinet, and plug and play!

The EURODIM Twin Tech Cabinet features:

- 2 identical control electronics/power supply slots
- 32 power module slots for up to 128 channels
- Busbar with 32 HRC fuses for individual module protection
- Optimized airflow system separated from all cabling
- Output terminals for 10 mm^2 wiring (for other cable dimensions, contact ADB)
- I/O card with individual DMX and Ethernet connection per Control Processor
- Local touch screen human interface for configuration

Absolutely free mixing of various module types in the same cabinet:

- Thyristor modules with min. 400 µs or 200 µs rise time
- DimSwitch modules
- True sine wave modules
- Fluo modules with additional preheat function
- Direct feed-through (non-dim) modules with MCB protection
- Blank modules

Electrical protection compliant with the highest international regulations:

- Standard MCB 1P+N protection per circuit
- Economical RCD per module protection
- RCD per circuit protection meeting highest safety standards

Simple and efficient configuration per dimmer circuit

- 5 control inputs (2 x DMX512/3 x ArtNet) with priority level and priority rule
- 10 different dimmer laws available (6 user- configurable)
- Response time
- Preheat function

Advanced Interface and Control Features:

- 80 cues + 1 priority cue for individual programming
- Individual failure rule per circuit in case of data loss (hold, fade to black or fade to cue)
- System wide configuration and diagnostic status reporting with network PC

State-of-the-Art Diagnostic and Reporting Functions in three Levels:

Three levels of dimmer reporting, diagnostics and management are available either on the local user interface of the dimmer cabinet or remotely via our optionally available ADB software. **TT - Management**: this software allows for comfortable and easy system wide configuration and diagnostic status reporting with a network PC running on a Windows Operating System. (OS and suitable PC are not supplied by ADB).

Standard diagnostics: always included in the standard cabinet and with all module types:

- Up to 300 LED indicators for status information of power supply and data
- Clear text messages on human interface indicating e.g. missing supply phase, loss of control signals, CPU failure, fan failure, ambient over-temperature
- Module type scan
- Recording of important events

Sequential diagnostics: optional - Hardware must be separately ordered for the EURODIM Twin Tech cabinet.
The sequential diagnostics is a pre-show test routine for circuit statuts reporting and is available with all standard modules.

- Value of dimmer load (kW)
- Deviation from a reference load
- No load and overload warning
- Short circuit

Full diagnostic modules (optional exclusively with suitable full diagnostic modules)

- Automatic module type scan
- Dimmer protection tripped
- Overload and no-load warning
- Load changes and comparison with stored reference value

Hybrid Dimming System

with plug-in thyristor and/or sine wave modules

Code	Description	Reference
1DY422000000	**Universal cabinet** • Power supply: - Star 3 NPE 400 (TN-S), 198 V to 264 V, 50/60 Hz. - Rated current 600 A - Individual module protection by an HRC supply fuse (50kA) 63A - Set of 4 Lifting eye bolts included • Central electronics : - Two slots for hosting 2 TT control units (CTRL) or 1 TT control unit (CTRL) + 1 backup power supply unit (PSU) • Control signals: - I/O board with: - 4 DMX IN/THROUGH on screw terminals and RJ45 connector - 2 Ethernet on RJ45 connector - Remote CPU selection on screw terminals • Space for up to 32 plug-in dimmer modules - 4 x 3 kW thyristors; up to 128 x 3 kW per cabinet - 4 x 2.5 kW sine wave; up to 128 x 2.5 kW per cabinet - 3 x 5 kW thyristors; up to 96 x 5 kW per cabinet - 3 x 5 kW sine wave; up to 96 x 5 kW per cabinet - 1 x 10 kW upon request - Free mix of sine wave, thyristor and DimSwitch modules - Free mix of different dimmer ratings • User-friendly human interface with backlit LCD touch-screen, 10 hard keys and control wheel • Separate compartments for power supply and output cabling with easy front access.	TTD/CAB/32
1115.10.100	**Plug-in central control electronics** • LED indicators for power supply phases, data input and alarm messages. • 5 control inputs with free DMX addressing (patch) and flexible merge rules per dimmer. • Protocols: DMX512-A, Art-Net (Art-DMX), ACN and RDM ready • Internal power supply works as back-up for optional second TT control unit (CTRL). • Software functions described in the datasheet.	TTD/CPU
1115.10.110	**Plug-in back-up power supply unit** Mandatory in combination with single TT control unit.	TTD/PSU
	Options	
1115.10.055	Human interface unit (must be ordered separatly for each TTD cabinet)	TTD/IHM
1113.33.010	Power module lock	TTD/CAB/LOCK
1113.33.020	Cabinet junction plate (set of 2)	TTD/CAB/JP
1113.33.030	Sequential Diagnostics kit (optional hardware kit)	TTD/SEQD
1109.00.140	TT Management software (optional software)	TTD/DM/SOFT
1113.33.040	Noise reduction for TTD cabinet	TTD/CAB/NR
	Dimensions EURODIM Twin Tech: 1999 x 990 x 596 mm - Net weight: 229 kg Net weight plug-in modules: 12 kg +/- 10% depending on module type	

Code	Description	Reference
	Sine Wave Dimmer Modules	
	4 x 2.5 kW module with full diagnostic	
1120.26.634	MCB/1P+N +RCD (30mA) protection per dimmer	TTD/SD4 x 2.5/MN/4R
	3 x 5 kW module with full diagnostic	
1120.26.672	MCB/1P+N + RCD (30mA) protection per dimmer	TTD/SD3 x 5/MN/3R
	DimSwitch Thyristor Modules with 400 µs Rise Time in Dim Mode	
	4 x 3 kW DimSwitch module with full diagnostic	
1120.27.050	MCB/1P+N protection per dimmer	TTD/HD4 x 3/MN
1120.27.060	MCB/1P+N protection per dimmer + RCD (30mA) per DimSwitch module	TTD/HD4 x 3/MN/1R
1120.27.020	MCB/1P+N + RCD (30mA) protection per dimmer	TTD/HD4 x 3/MN/4R
	3 x 5 kW DimSwitch module with full diagnostic	
1120.27.070	MCB/1P+N protection per dimmer	TTD/HD3 x 5/MN
1120.27.080	MCB/1P+N protection per dimmer + RCD (30mA) per DimSwitch module	TTD/HD3 x 5/MN/1R
1120.27.030	MCB/1P+N + RCD (30mA) protection per dimmer	TTD/HD3 x 5/MN/3R
	1 x 10 kW DimSwitch module with full diagnostic	
1120.27.040	MCB/1P+N + RCD (30mA) protection per dimmer	TTD/HD1 x 10/MN/1R
	4 x 3 kW DimSwitch module with standard diagnostic	
1120.27.250	MCB/1P+N protection per dimmer	TTD/H4 x 3/MN
1120.27.260	MCB/1P+N protection per dimmer + RCD (30mA) per DimSwitch module	TTD/H4 x 3/MN/1R
1120.27.220	MCB/1P+N + RCD (30mA) protection per dimmer	TTD/H4 x 3/MN/4R
	3 x 5 kW DimSwitch module with standard diagnostic	
1120.27.270	MCB/1P+N protection per dimmer	TTD/H3 x 5/MN
1120.27.280	MCB/1P+N protection per dimmer + (30mA) per DimSwitch module	TTD/H3 x 5/MN/1R
1120.27.230	MCB/1P+N + RCD (30mA) protection per dimmer	TTD/H3 x 5/MN/3R
	1 x 10 kW DimSwitch module with standard diagnostic	
1120.27.240	MCB/1P+N + RCD (30mA) protection	TTD/H1 x 10/MN/1R
	DimSwitch Thyristor Modules with 200 µs Rise Time in Dim Mode	
	4 x 3 kW DimSwitch module with full diagnostic	
1120.26.304	MCB/1P+N protection per dimmer	TTD/RD4 x 3/MN
1120.26.324	MCB/1P+N protection per dimmer + RCD (30mA) per DimSwitch module	TTD/RD4 x 3/MN/1R
1120.26.344	MCB/1P+N + RCD (30mA) protection per dimmer	TTD/RD4 x 3/MN/4R
	3 x 5 kW DimSwitch module with full diagnostic	
1120.26.354	MCB/1P+N protection per dimmer	TTD/RD3 x 5/MN
1120.26.376	MCB/1P+N protection per dimmer + RCD (30mA) per DimSwitch module	TTD/RD3 x 5/MN/1R
1120.26.383	MCB/1P+N + RCD (30mA) protection per dimmer	TTD/RD3 x 5/MN/3R
	4 x 3 kW DimSwitch module with standard diagnostic	
1120.26.004	MCB/1P+N protection per dimmer	TTD/R4 x 3/MN
1120.26.024	MCB/1P+N protection per dimmer + RCD (30mA) per DimSwitch module	TTD/R4 x 3/MN/1R
1120.26.044	MCB/1P+N + RCD (30mA) protection per dimmer	TTD/R4 x 3/MN/4R
	3 x 5 kW DimSwitch module with standard diagnostic	
1120.26.054	MCB/1P+N protection per dimmer	TTD/R3 x 5/MN
1120.26.076	MCB/1P+N protection per dimmer + RCD (30mA) per DimSwitch module	TTD/R3 x 5/MN/1R
1120.26.083	MCB/1P+N + RCD (30mA) protection per dimmer	TTD/R3 x 5/MN/3R

Plug-in Digital Dimmer Modules

Code	Description	Reference
	Thyristor Dimmer Modules for Fluorescent Lamps with 200 µs Rise Time	
	2 x 3 kW module with full diagnostic	
1120.26.316	MCB/1P+N + RCD (30mA) protection per dimmer	TTD/FD2 x 3/MN/2R
	2 x 3 kW module with standard diagnostic	
1120.26.016	MCB/1P+N + RCD (30mA) protection per dimmer	TTD/F2 x 3/MN/2R
	Direct Feed-through (non-dim) Modules with no Remote Control	
	4 x 3 kW module with standard diagnostic	
1120.26.241	MCB/1P+N + RCD (30mA) protection per dimmer	TTD/N4 x 3/MN/4R
	3 x 5 kW module with standard diagnostic	
1120.26.281	MCB/1P+N + RCD (30mA) protection per dimmer	TTD/N3 x 5/MN/3R
	Accessories	
1120.26.291	Blank panel for 1 slot	TTD/TB
1120.26.292	Blank panel for 8 slots	TTD/TB/8

EURORACK 60

EURORACK 60
High Performance Thyristor Dimmer Racks for Professional Applications

Standard configurations:
- 24 x 3 kW
- 12 x 5 kW

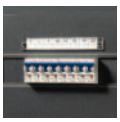
A choice of various RCD ground fault detection systems is available to comply with various safety standards. Designed for professional applications in stage, TV studio and architectural lighting, whenever high performance, flexibility and reliability are the prime considerations.

The versatility of ADB wall mount dimmers makes them suitable for virtually any venue - from schools and churches, to theatres, clubs and even larger professional venues, whenever a permanent lighting system is required.

Wall mount dimmers with their local memories, provide also an integrated solution for architectural applications such as conference rooms, reception areas, exterior lighting, sound-and-light shows. Local memories and DMX control can be combined, so that a EURORACK 60 can be shared between the stage and the foyer, or the houselights.

Set-up and User Interface Functionality

- 5-key keypad, 12-character LED display and user-friendly scrolling menu for easy access to all dimmer functions.
- Menu with different levels of access for different levels of users, protected against tampering.
- 10 user-selectable dimmer laws: linear r.m.s voltage, linear r.m.s to 120 V, TV laws (BBC, TV1, TV2), non-dim with hysteresis, fluorescent, linear r.m.s voltage with preheating, square law, user-programmable custom law.
- Voltage reduction factor for extended lamp life or variable load cable length compensation.
- Professional grade filtering (200 µs rise time).
- 4000-step fade resolution, for noticeably smoother fades.
- Global or individual programming of dimmer law, patching, voltage reduction factor and smoothing.
- Creation and storage of 20 lighting cues (19 + Priority) each with fade and wait times, for back-up cues, architectural lighting, or stand-alone operation.
- Memories set by recording DMX levels or via the menu.
- After loss of DMX data: maintain last levels, or wait and fade to black.
- All programmed data saved for unlimited time.



Wall Mount Dimmer Racks

Code	Description	Reference
	EURORACK 60	
	High performance thyristor dimming with 200 µs rise time	
1DF602100002	**24 x 3 kW - MCB/1P+N**	ERACK 60/243MN
1DF702100002	**12 x 5 kW - MCB/1P+N**	ERACK 60/125MN
	Dimensions	
	EURORACK 60: 1022 x 555 x 132 mm - Net weight: 43 kg	
	Options	
	RCD - 30 mA (1P+N) Supply protection per group of 10 kW (4 x 3 kW or 2 x 5 kW) Required quantity: 6 for 60 kW RCD+MCB/1P+N-30mA - 6kA per dimmer (this option to be choosen as alternative to RCD10/ERACK)	RCD30/ERACK
	- for 24 x 3 kW dimmers	RCD+MCB/243
	- for 12 x 5 kW dimmers	RCD+MCB/125
	Main isolator switch 4P - 100 A	INP.SWITCH/ERACK
	Accessories	
1113.31.400	Stand-off brackets for 10 cm trunking space behind the rack (kit)	ARC/ERACK
1113.99.120	Dual DMX input retrofit kit (CPU board with data cables)	KIT/2DMX/ERACK
1113.32.300	Cable entry panel with 27 universal entry seals and a steel PG31 cable gland + additional cable support rails (supplied as retrofit kit)	PANN.PG/ERACK

MEMORACK 30

MEMORACK 30 - 19" Rack Mount Dimmer unit 30 kW

Intelligent, all-digital dimmer racks for 19" rack mounting in two configurations; 12 x 3 kW or 6 x 5 kW.
The dimmers are suitable for continuous duty (3 kW, 5 kW or 12 kW per channel) at 35° C up to 30 kW.

This rack & Pack Mount Dimmer is designed for professional applications in stage, TV studio and architectural lighting, whenever high performance, quality, endurance and reliability are the prime considerations. Ideal for touring, decentralised dimming or extension of existing installations. They are available with lockable standard Harting compatible sockets.

This dimmer feature professional grade filtering of 200 µs for efficient attenuation of lamp filament noise. The circuitry is protected against accidental 400 V wiring. Hard fired thyristors are used exclusively for control of tungsten halogen lamps, resistive and inductive loads as well as transformer-fed low voltage lamps, and fluorescent lighting with suitable ballast.

Low noise fans provide effective cooling and are fitted with automatic fan-stop. Over-temperature protection through gradual dimmer fade out.

This dimmer is designed for a power supply 230V/400V Star 3NPE (TN-S Net), 50/60Hz. Each dimmer circuit is protected individually by a 1 Pole + Neutral disconnect Magnetic Circuit Breaker (MCB). The dimmers are suitable for continuous duty (3 kW or 5 kW per channel) at 35° C up to 30 kW. The dimmers are controlled by a standard DMX512/1990 signal on front mounted XLR-5 male connector and a XLR-5 female connector for signal feed through.

Programming and Set-up Functions

- 5-key keypad, 12 character LED display and user friendly menu for easy access to all dimmer functions.
- Set-up functions can be limited to "DMX start address".
- Local controls for creation and storage of 20 lighting cues.
- Individual selection of dimmer address (patch), law, smoothing and voltage reduction factor.
- Fade smoothing (4000-step resolution).
- 10 dimmer laws (one is user-programmable).
- Professional grade filtering (200 µs rise time).
- Local status reporting: 400 V - overtemperature - fan failure - processor check - presence of DMX signal - DMX and analogue control levels.
- Local test of a dimmer (steady, flash or chaser).
- Automatic self-test capability.
- Programmable response to a DMX failure.

Code	Description	Reference
	MEMORACK 30	
1DA16D100004	**12 x 3 kW - MCB/1P+N - 2 x HARTING HAN16E out**	M30/123MN/HAR
1DA162100004	**12 x 3 kW - MCB/1P+N - 2 x SOCAPEX 419 out**	M30/123MN/SOC
1DA2DE00004	**6 x 5 kW - MCB/1P+N - 2 x HARTING HAN HsB 6+PE out**	M30/65MN/HAR

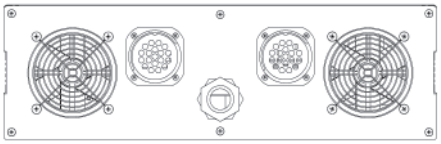
Dimensions: 540 x 484 x 133 mm - Net weight: 20 kg

Notes:
- Power supply cable 1.5 m - 5 x 10 mm^2, no connector attached
- Front panel DMX input on XLR5

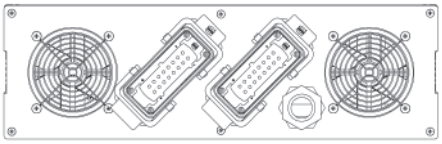
Accessory

Carrying handle for MEMORACK	PORT/M30

Standard Outlet Panels (other outlets upon request)



12 x M30/123MN/SOC



6 x M30/65MN/HAR

MIKAPACK

MIKAPACK 30 - 12 x 3 kW

Intelligent, all-digital dimmer packs as portable units or for 19" rack mounting.
The dimmers are suitable for continuous duty of 12 channels of 3 kW at 35° C up to 30 kW.

For architectural applications, a DB9 connection allows to easily recall 4 internal pre-programmed dimmer memories via dry contacts.

MIKAPACK 15 - 6 x 3 kW

Intelligent, all-digital dimmer packs as portable units or for 19" rack mounting.
The dimmers are suitable for continuous duty of 6 channels of 3 kW at 35° C up to 15 kW.

MIKAPACK dimmers feature similar performances to the MEMO dimmer range at a very competitive price without concessions to quality and reliability. The products are designed for decentralised dimming in fixed installations, touring, stage, TV studio and architectural lighting.

MIKAPACK dimmers are available with all standard European outlets and, for permanent installation or flight case applications, with screw-on terminal strip.

An optional carrying handle is available for portable units. The units are shipped with the necessary parts for installation in 19" racks.

Common features of the range are:

- 4 control buttons, 2 x 8 character LCD display and user-friendly menu for easy access to all dimmer functions.
- First dimmer address selection.
- Local test of a dimmer (steady or chaser).
- 6 pre-programmed chasers with 6 intensity levels.
- Patch selectable per dimmer.
- 9 dimmer laws selectable per dimmer + 1 user programmable law.
- Preheat selectable per dimmer.
- Maximum dimmer levels selectable per dimmer.
- Storage of 16 lighting cues.
- Last lighting cue maintained in case of DMX signal interruption or loss. (cue, last DMX values or fading out).
- Return to factory default values.
- User customization of menu items.

Technical Specifications

- Power supply: 230 V / 400 V Star 3NPE, 50/60 Hz.
- Dimmer protection with MCB's, 1P+N.
- Suitable for continuous duty at 35° C.
- 40 A power semiconductors.
- Control protocol: DMX512A on XLR5, with galvanic isolation.

Intelligent Dimmer Packs for General Purpose Applications

Code	Description	Reference
	MIKAPACK 30	
5021.03.200	**12 x 3 kW - MCB / 1P+N - 12 x single NF/CEBEC sockets**	MIK30/123MN/C
5021.03.210	**12 x 3 kW - MCB / 1P+N - 12 x single Schuko sockets**	MIK30/123MN/D
5021.03.220	**12 x 3 kW - MCB / 1P+N - Screw-on terminal strip**	MIK30/123MN
5021.03.230	**12 x 3 kW - MCB / 1P+N - 12 x single CEE 16 A (P17) sockets**	MIK30/123MN/CEE
5021.03.240	**12 x 3 kW - MCB / 1P+N - 12 x single Swiss sockets**	MIK30/123MN/H
5021.03.250	**12 x 3 kW - MCB / 1P+N - 12 x single UK 15 A sockets**	MIK30/123MN/UK
5021.03.260	**12 x 3 kW - MCB / 1P+N - 2 x SOCAPEX connector**	MIK30/123MN/SOC
5021.03.270	**12 x 3 kW - MCB / 1P+N - 2 x Harting Output**	MIK30/123MN/HART

Dimensions: 440 x 355 x 132 mm - Net weight: 15 kg

Notes:
- Power supply cable 1.5 m - 5 x 10 mm^2 no connector attached
- Front panel DB9 connection for memory recall
- Front panel DMX input on XLR5
- Front brackets for 19" rack mounting
- 1P+N protection by MCB per channel
- 4 rubber feet
- Kit for installation in a 19" touring rack

MIKAPACK 15

5021.03.000	**6 x 3 kW - MCB / 1P+N - 6 x single NF/CEBEC sockets**	MIK15/63MN/C
5021.03.010	**6 x 3 kW - MCB / 1P+N - 6 x single Schuko sockets**	MIK15/63MN/D
5021.03.020	**6 x 3 kW - MCB / 1P+N - Screw-on terminal strip**	MIK15/63MN
5021.03.030	**6 x 3 kW - MCB / 1P+N - 6 x single CEE 16 A (P17) sockets**	MIK15/63MN/CEE
5021.03.040	**6 x 3 kW - MCB / 1P+N - 6 x single Swiss sockets**	MIK15/63MN/H
5021.03.050	**6 x 3 kW - MCB / 1P+N - 6 x single UK 15 A sockets**	MIK15/63MN/UK

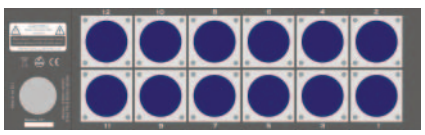
Dimensions: 440 x 355 x 88 mm - Net weight: 10.3 kg

Notes:
- Power supply cable 1.5 m - 5 x 4 mm^2 no connector attached
- Exception for MIK15/63M only connection on 3-phase terminal strip
- Front panel DMX input on XLR5
- Front brackets for 19" rack mounting
- 1P+N protection by MCB per channel
- 4 rubber feet
- Kit for installation in a 19" touring rack

Options and Accessories

5021.03.100	Carrying handle for MIKAPACK 15	PORT/MIK15
5021.03.130	Truss clamping kit for MIKAPACK 15	KIT/CLAMP/MIK15
5021.03.150	Carrying handle for MIKAPACK 30	PORT/MIK30

Standard Outlet Panels (other outlets upon request)



12 x CEE 16 A (P17)

12 x NF/CEBEC or 12 x Schuko

Touring Racks

The best Dimmers may well not be those you are used to...

MEMORACK and MIKAPACK dimmer modules can also be factory installed in suitable flight cases for touring applications. The dimmers are all 1pole protected with neutral disconnect and the individual dimmer rack power supply is protected against any ground fault by an RCD. This makes the dimmers safe and compliant with highest industry standards and international regulations.

Standard ADB touring racks are available in 24-channel or 12-channel configurations with European outlets (Schuko, NF/CEBEC, CEE16 and/or multiconnectors: Harting, Socapex-compatible) without top patch. The dimmers, 19” panels and other hardware are mounted on a self-supporting welded steel frame (19U) and fitted with heavy-duty caster for easy transport. Flight case is fitted with removable covers for front and rear access.

Local Control without Lighting Desk:

- Flashing of one dimmer for easy luminaire identification in a rig
- Chaser
- Setting of a dimmer level
- Creation, editing and play-back of lighting cues depending on the dimmer range selected.
- "Panic" cue which always overrides DMX

Custom Versions

ADB touring racks can be built to order with a custom combination of standard building blocks with a wide choice of patch panels, direct outputs, RCD protections, multiconnectors, and accessories.

Custom versions are available upon request; please contact your ADB Distribution Partner or ADB Sales directly.

Flight Case Dimmers for Touring

Code	Description	Reference
	Flight Case Dimmer Systems	
1001.40.201	**Flight case equipped with MIKAPACK 30 - 24 x 3 kW** - 24 x twin CEBEC 10 / 16 A sockets	FCMIK243MN/C
1001.40.202	**Flight case equipped with MIKAPACK 30 - 24 x 3 kW** - 24 x twin schuko 10 / 16 A sockets	FCMIK243MN/D
1001.40.203	**Flight case equipped with MIKAPACK 30 - 24 x 3 kW** - 24 x single CEE 16 A (P17) sockets	FCMIK243MN/CEE
1001.40.204	**Flight case equipped with MEMORACK 30 - 24 x 3 kW** - 24 x twin CEBEC 10 / 16 A sockets	FCMR243MN/NC
1001.40.205	**Flight case equipped with MEMORACK 30 - 24 x 3 kW** - 24 x twin schuko 10 / 16 A sockets	FCMR243MN/D
1001.40.206	**Flight case equipped with MEMORACK 30 - 24 x 3 kW** - 24 x single CEE 16 A (P17) sockets	FCMR243MN/CEE
1001.40.207	**Flight case equipped with MEMORACK 30 - 12 x 5 kW** - 12 x single CEE 32 A sockets	FCMR125MN/CEE

Other configurations (connectors) and systems are available upon request. These are some standard examples.
Please contact your ADB sales partner for further information.

Common Features:
Flightcase 12 U high, equipped either with two MIKAPACK 30 or two MEMORACK 30 dimmers. Flightcase is on 4 casters.

- detachable front and back lid for flightcase
- 125 A 5 pole CEE connector
- RCD and MCB 3P+N disconnect
- individual channels protected with 1P+N MCB
- control via DMX512

Dimensions: 820 x 550 x 725 mm - Net weight: +/- 98 kg

Options and Accessories

40081	Kit Harting 4 connectors - instead of individual sockets	FCHRAR4
40080	Kit Harting 4 connectors - parallel connection to existing sockets	FCHAR4.BRA
40082	Kit Socapex 4 connectors - instead of individual sockets	FCSOC4
40083	Kit Socapex 4 connectors - parallel connection to existing sockets	FCSOC4.BRA
40084	Kit Work Light	FCLIGHT
32086	Power supply cable - (Legrand) HYPRA PA+FG	FCMOB.LEG
32135	Power supply cable - 3P+N+PE (Marechal) PA+FG	FCMOB.MAR
40085	Replacement of connector Legrand with a connector Marechal	FCLEGMAR

Theatre Spotlights

It has been a long way, paved with innovations, since the introduction in 1938 of the first spotlights for stage lighting, until the advent in 2004 of WARP, a unique zoom profile spotlight featuring fingertip ring control of 4 integrated beam shaping shutters, iris, gobo, zoom and focus, and further providing a 360° endless rotation of gobos and each individual shutter blade. WARP allows the creation of shapes which are impossible with any other profile.

WARP is now a family including manual and motorized versions for either halogen or discharge lamps, a special daylight fixture for rental companies, and even a followspot.

A further key product line for ADB is the EUROPE range of PC, Fresnel and zoom profile spotlights, an over 20-year success story, due to a great extent to an earlier innovation, the condenser optics, which added a new dimension to stage lighting.

ADB is committed to further develop innovative theatre spotlights.

The recent developments are devoted to modern LED light sources. Our design specification are to deliver state of the art technology in the recognizable design of EUROPE range luminaires.

EUROPE range - Theatre Spotlights for 1000 / 1200 / 2000 W Halogen Lamps

The Reasons for Success:
Exceptional light output
Unparalleled light quality
Simple, highly robust construction
Harmonious, elegant and unobtrusive design
Easy to handle
Wide range of accessories
Highly favourable cost/performance ratio
...and satisfied professionals in over 40 countries

WARP - The Magic of the Rings…

The first and only Zoom Profile Spotlight with fingertip Ring Control, a major, patented Innovation for Stage Lighting Professionals! Manual, motorized and daylight versions.

LED Spotlights

ADB presents a range of LED powered luminaires based on the successful EUROPE spotlight range.

EUROSPOT
General Purpose Theatre Spotlights

These very compact and lightweight sub-kilowatt spotlights are easy to operate, store and transport. Simple design and rugged construction provide good mechanical strength and long term reliability. High performance optics ensure excellent light output and beam quality.

"A" SERIES
Sub-kilowatt Professional Theatre Spotlights

These high quality fixtures have established themselves as a reference for sub-kilowatt spotlights. Their excellent reputation is due to the combination of top level optics, a simple mechanical design and many useful features providing the user with an excellent level of light, a very homogeneous beam and a great handling facility.

WARP

WARP - Zoom Profile Spotlight

The Magic of the Rings

Main Features:

- 12°-30° and 22°-50° versions
- 800 W halogen axial lamp, 230 V, 3200 °K, G9.5
- Light output higher than with a 1200 W conventional profile
- Dichroic glass reflector for low gate and beam temperature
- B size gate for maximum gobo definition
- Innovative ring control of focus, zoom, iris, gobo and shutters
- Individual 360° rotation of shutters and gobos
- Access to all controls from any position around the spotlight
- Independent lamp position and spot / even adjustments
- Holder for one iris diaphragm + one 360° rotating gobo (or two gobos without iris)
- Stepless yoke positioning along the spotlight for balance adjustment
- Innovative, compact, robust, ergonomic design

WARP/M - Motorized Zoom Profile Spotlight

The Silence of the Rings

The only fully automated Zoom Profile featuring totally silent operation

Main Features:

- 12° - 30° and 22° - 50° versions
- Remote control via DMX 512 or Ethernet of all beam shaping functions + pan & tilt
- RDM and ACN ready
- Yoke repositioning better than 0.1°
- 3-phase stepper motors and no fan ensure true noisefree operation
- Absolute sensor technology = no pan & tilt reset
- Web page interface for bidirectional communication and diagnostics (runs on any browser)
- Colour control with scroller for perfect colour matching
- ... and no more cumbersome shutters

The absence of fans is the first condition for a truly silent operation!

WARP Zoom Profiles for 600/800 W Halogen Lamps

for Manual or Remote Operation

Code	Description	Reference
	Zoom Profile Spotlights	
1017.01.020	**WARP** 12°-30° / 230 V	WARP/12-30
1017.01.030	**WARP** 22°-50° / 230 V	WARP/22-50
1017.01.220	**WARP** 12°-30° / 90 - 264 V	WARP/12-30/U
1017.01.230	**WARP** 22°-50° / 90 - 264 V	WARP/22-50/U
	including : • dichroic glass reflector • 2 zoom lenses with anti-reflection coating • **patented ring control of all functions** • G 9.5 lampholder for axial lamp 800 W/230 V • 1.6 m power supply cable without plug • 1 metal filter frame (185 x 185 mm)	
	Dimensions WARP 12°-30°: 748 x 495 x 213 mm - Net Weight: 12.2 kg WARP 22°-50°: 655 x 495 x 213 mm - Net Weight: 11 kg	
	Motorized Zoom Profile Spotlights	
1017.10.020	**WARP/M** 12° - 30° / 230 V	WARP/M/12-30
1017.10.030	**WARP/M** 22° - 50° / 230 V	WARP/M/22-50
1017.10.220	**WARP/M** 12° - 30° / 90 - 264 V	WARP/M/12-30/U
1017.10.230	**WARP/M** 22° - 50° / 90 - 264 V	WARP/M/22-50/U
	including : • 1 motorized yoke mounted on a control box • 1 WARP/12-30 or /22-50 spotlight mounted into the yoke with attached motorization unit • 1.6 m power supply cable connected to the top box via a twist-lock connector and with open ends on the other side	
	Dimensions WARP/M 12°-30°: 748 x 550 x 805 mm - Net Weight: 32 kg WARP/M 22°-50°: 658 x 550 x 805 mm - Net Weight: 32 kg	
	Accessories	
1090.52.205	Metal filter frame (185 x 185 mm)	PFM/185
1090.47.050	Safety grid (185 x 185 mm)	GR/185
1000.40.100	Double gobo holder (rotating) type B	SP/2GO/WARP
1000.40.110	Combined iris diaphragm & gobo holder (rotating) type B	SP/OR-GO/WARP
1000.40.120	Single gobo holder (non rotating) for WARP type B	SP-GO/WARP
1017.25.020	Flight-case for WARP/M	FLY/WARP/M1
1017.25.030	Flight-case for 6 WARP	FLY/WARP/6
1192.10.550	Hook clamp for Ø 35 to Ø 50 mm tubes	A20
1192.10.560	Hook clamp for Ø 35 to Ø 50 mm tubes	A25
1092.10.550	Hook clamp for Ø 45 to Ø 60 mm tubes	A30
1092.10.600	Hook clamp for WARP/M (2 required)	A40
1092.00.092	1.2 m spotlight safety cable	CAS120/N
1050.40.405	**Colour changer** for WARP supplied with : • 1 16-colour gel filter roll • 1 adapter plate (APL-CC/WARP) • 1 DMX/supply cable	CC/WARP
1050.40.400	Adapter plate for colour changer	APL-CC/WARP
	Lamps	
2990.40.500	G 9.5, biplane filament, halogen lamp 230V-800W-3200K	800W/G9.5/3200K
2990.40.405	G 9.5, biplane filament, halogen lamp 230V-600W-3200K	600W/G9.5/3200K

Warning: WARP halogen spotlights are exclusively designed for a biplane filament halogen lamp with a G9.5 base. Any modification to accommodate another lamp is not allowed and would void CE safety approval and product warranty.

WARP Daylight

WARP Zoom profile spotlight adapted to host a 575 W discharge lamp, available with two specific optical systems. Also special version for rental and full motorization with noiseless operation.

“Peak Performance” optical system with ellipsoidal reflector optimized for maximum light output. The fixture gives an extra “punch” of light, very useful for display and highlighting of scenic elements and actors. This optical system is also used in the new WARP Daylight Followspot.

“High Quality Image” features an ellipsoidal reflector optimized for projecting an homogeneous light beam, essential for pattern projection. This fixture can be used for applications where the design requires very even light distribution, e.g. to uniformly cover an acting area, or for high quality gobo projection.

Main Features:

- G22 axial discharge lamp 575 W / 6000 K / 1000 h / 49000 lm hot restrike
- Light output comparable with the one of a 2500 W daylight lamp with condenser optic system
- 14500 lux at 10 m/12° with Peak Performance reflector
- Dichroic glass reflector for low gate and beam temperature
- Patented ring control of focus, zoom, iris, gobos and shutters
- Individual 360° rotation of shutters and gobos
- Access to all controls from any position around the spotlight
- Electronic flicker free ballast with integrated 24 V power supply for accessories
- Power supply: 230 V +/- 15% / 50-60 Hz or 90 - 264 V
- Convection cooling -> no fan, no noise
- Lightweight, compact, robust, ergonomic

WARP / DAYLIGHT
Save energy, space and weight !

A compact ellipsoidal zoom profile with a dichroic reflector, a 575 W discharge lamp and a tremendous light output, comparable to nearly any 2500 W fixture available today.

ADB’s WARP, the unique profile spotlight with the patented, award winning ring control system is now producing the most powerful, energy efficient light beam when equipped with a 575 W daylight discharge source. The light output is nearly the same as with a 2500 W discharge lamp with condenser optics, in a body that significantly reduces size and weight. This unequalled performance is the result of a highly efficient optical design, combining a sophisticated dichroic glass reflector with coated lenses made of very pure optical glass for maximizing light transmission and eliminating reflections.

Combining high light output, daylight, and reduced volume and weight, WARP/DAYLIGHT zoom profile spotlights represent a valuable addition to any Lighting Designer’s tool kit.

Using WARP/DAYLIGHT, clearer keylights can be obtained because of the higher lighting intensity and colour temperature.

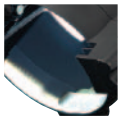
Combining back light from WARP/DAYLIGHT with projection patterns and tungsten front light can create an exciting visual impression of otherwise monochrome and dull spaces.

With WARP/DAYLIGHT, you will save operating costs, as the 575 W lamp consumes only a quarter of the energy of a 2500 W lamp, as would be needed for a comparable light output. Moreover, its purchase price is much lower.

Size and weight of the WARP/DAYLIGHT are significantly reduced in comparison with any 2500 W fixture, which can weigh well over 60 kg!

WARP/DAYLIGHT can be easily fitted in confined lighting positions, where other spotlights are difficult to rig. It is also easier to adjust (ring control), move and transport, thus contributing to a non-negligible reduction of operating costs. These benefits will certainly be appreciated by lighting technicians, venue managers and rental companies.

A fully motorized version of WARP/DAYLIGHT is also available with the same photometric characteristics as the manual one, for applications that require silent operation, very accurate repositioning, set up via Internet browser and full remote control of pan, tilt, zoom, focus, gobos, iris, and 4 individual shutters.



WARP Zoom Profiles for 575 W Discharge Lamp

for Manual or Remote Operation

Code	Description		Reference
	Daylight Zoom Profile Spotlights "Peak Performance"		
1017.01.320	**WARP/DL**	12°-30° / 230V	WARP/DL/12-30
1017.01.330	**WARP/DL**	22°-50° / 230V	WARP/DL/22-50
1017.01.321	**WARP/DL**	12°-30° / 90-264V	WARP/DL/12-30/U
1017.01.331	**WARP/DL**	22°-50° / 90-264V	WARP/DL/22-50/U
	Daylight Zoom Profile Spotlights "High Quality Imaging"		
1017.01.520	**WARP/DL**	12°-30° / 230V	WARP/DL/12-30/HQ
1017.01.530	**WARP/DL**	22°-50° / 230V	WARP/DL/22-50/HQ
1017.01.521	**WARP/DL**	12°-30° / 90-264V	WARP/DL/12-30/U/HQ
1017.01.531	**WARP/DL**	22°-50° / 90-264V	WARP/DL/22-50/U/HQ

including :

- dichroic glass reflector, two possibile types are available at the time of ordering:
  "Peak Performance Reflector" gives an extra boost of light in the centre of the field.
  "High Quality Imaging" renders a flat and even light distribution
- 2 zoom lenses with anti-reflection coating
- **patented ring control of all functions**
- G22 lampholder for 575W daylight discharge lamp
- flicker free electronic ballast, with integrated 24 V power supply for accessories, mounted onto the yoke
- **G22 hot restrike metal halide lamp 575W-6000K-1000h-49000 lm** (adjusted)
- 1.6 m power supply cable without plug
- 1 metal filter frame

Dimensions

WARP/DL 12°-30°: 800 x 475 x 500 mm - Net Weight: 18 kg
WARP/DL 22°-50°: 706 x 475 x 500 mm - Net Weight: 17.5 kg

	Motorized Daylight Zoom Profile Spotlights		
1017.10.520	**WARP/M/DL**	12°-30° / 90-264V	WARP/M/DL/12-30/U/HQ
1017.10.530	**WARP/M/DL**	22°-50° / 90-264V	WARP/M/DL/22-50/U/HQ

including :

- dichroic glass reflector "High Quality Imaging"
- G22 lampholder for 575W daylight discharge lamp
- motorized yoke mounted on a control box with integrated flicker free electronic ballast and 24 V power supply for accessories
- **G22 hot restrike metal halide lamp 575W-6000K-1000h-49000 lm** (adjusted)
- WARP/DL/12-30 or /22-50 spotlight mounted into the yoke with attached motorization unit
- 1.6 m power supply cable connected to the top box via a twist-lock connector and with open ends on the other side

Dimensions

WARP/M/DL 12°-30°: 800 x 549 x 766 mm - Net Weight: 36 kg
WARP/M/DL 22°-50°: 706 x 549 x 766 mm - Net Weight: 35.5 kg

Note:
Due to higher heat dissipation of the electronic ballast at low voltage, the WARP/DL/U range ballasts are equipped with a low noise fan to ensure reliability.

Code	Description	Reference
	Rental Daylight Zoom Profile Spotlights "Peak Performance"	
1017.01.323	**WARP/DL/R** 12°-30° / 230V without ballast	WARP/DL/R/12-30
1017.01.333	**WARP/DL/R** 22°-50° / 230V without ballast	WARP/DL/R/22-50
	Rental Daylight Zoom Profile Spotlights "High Quality Imaging"	
1017.01.523	**WARP/DL/R** 12°-30° / 230V without ballast	WARP/DL/R/12-30/HQ
1017.01.533	**WARP/DL/R** 22°-50° / 230V without ballast	WARP/DL/R/22-50/HQ

including :

- dichroic glass reflector
- 2 zoom lenses with anti-reflection coating
- **patented ring control of all functions**
- GX9.5 lampholder for 575W daylight discharge lamp
- **igniter for cold strike**
- 2 m power supply cable without plug
- 1 metal filter frame
- 1 safety switch

Warning: Rental daylight WARP are supplied without magnetic or electronic ballast. This must be provided by the customer before operation!

WARP Zoom Profiles for 575W Discharge Lamp

for Manual or Remote Operation

Code	Description	Reference
	Accessories for WARP Daylight	
1050.40.410	**Mechanical dimmer** with adapter plate and DMX/supply cable	MD/WARP
1050.40.440	Filter frame holder cassette for the mechanical dimmer	MD/CASS
1050.40.420	**"Combo" mechanical dimmer** + **colour changer** with adapter plate and DMX/supply cable (colour string not included!)	MD/CC/WARP
1050.40.460	Filter frame holder cassette for the “Combo” mechanical dimmer	MD/COMBO/CASS
1050.40.400	Adapter plate for colour changer	APL-CC/WARP
1090.52.205	Metal filter frame (185 x 185 mm)	PFM/185
1090.47.050	Safety grid (185 x 185 mm)	GR/185
1000.40.100	Double gobo holder (rotating) type B	SP/2GO/WARP
1000.40.110	Combined iris diaphragm & gobo holder (rotating) type B	SP/OR-GO/WARP
1000.40.120	Single gobo holder (non rotating) type B for **WARP**	SP-GO/WARP
1017.25.020	Flight-case for **WARP/M/DL**	FLY/WARP/M1
1017.25.040	Flight-case for **WARP/DL**	FLY/WARP/DL
1017.25.030	Flight-case for **WARP/DL/Rental**	FLY/WARP/6
1192.10.550	Hook clamp for Ø 35 to Ø 50 mm tubes	A20
1192.10.560	Hook clamp for Ø 35 to Ø 50 mm tubes	A25
1092.10.550	Hook clamp for Ø 45 to Ø 60 mm tubes	A30
1092.10.600	Hook clamp for **WARP/M/DL** (2 required)	A40
1092.00.092	1.2 m spotlight safety cable	CAS120/N

Note: **WARP/DL/Rental** will fit into the flight case for 6 **WARP** spotlights

CC/WARP

COMBO/WARP

MD/WARP

LED Spotlights

Introducing the EUROPE LED Spotlight RANGE

The familiar high quality performance of **ADB'S EUROPE RANGE** spotlights now combined with the benefits of modern LED technology.

Go green and make a significant reduction in dimmer energy and air-conditioning power consumption.

ADB presents a range of LED powered luminaires based on the successful EUROPE spotlight range.
The first two luminaires – a profile and a fresnel spotlight are equipped with a high power LED light sources – offering two different colour temperatures, daylight and tungsten halogen compatible. This new generation of theatre spotlights is designed to deliver high light output and high colour rendering index – equivalent to our traditional EUROPE range fitted with 1000 W tungsten halogen lamps.

The EUROPE Range LED fixtures are equipped with a user interface featuring convenient settings and modes to simplify work.
The EUROPE Range LED luminaires use the same accessories and optical systems as traditional EUROPE Range fixtures and therefore fit perfectly into established working practice without demanding any sacrifices in the quality of lighting designs.

This means that lighting designers will not have to adapt creative techniques. Conventional 1 kW EUROPE Range spotlights can be easily be exchanged anytime for the new EUROPE Range LED fixtures.
By delivering state-of-the-art technical innovation through a recognizable design, ADB EUROPE LED Spotlights offer a smooth transition into the era of high performance, energy-efficient spotlights, which fit perfectly for theatres, events, architectural applications and more generally spoken for applications with limited power supplies.

* Symbolic images

LED Spotlights

Code	Description	Reference
	Fresnel LED Spotlight 13° - 59°	
	LED Fresnel luminaire	
	with tungsten halogen colour temperature 3200 K	F101/LED/TH
	with daylight colour temperature 5600 K	F101/LED/DL
	Supplied with : • 150 mm Fresnel lens • 1 metal filter frame (185 x 185 mm) • 1.5 m power supply cable with POWERCON twist-lock connector and with open ends on the other side	
	Profile LED Spotlight 15° - 31°	
	LED profile spotlight	
	with tungsten halogen colour temperature 3200 K	DS105/LED/TH
	with daylight colour temperature 5600 K	DS105/LED/DL
	Supplied with : • 2 zoom lenses and condenser optics • Set of 4 beam shaping shutters • 1 metal filter frame (185 x 185 mm) • 1.5 m power supply cable with POWERCON twist-lock connector and with open ends on the other side	
	Accessories	
1090.52.205	Metal filter frame (185 x 185 mm)	PFM/185
1001.50.115	Rotatable 4-leaf barndoor without safety cable	CFN/185
1092.00.094	0.75 m safety cable for barndoors	CAS/CF/75
1000.40.080	"A" size gobo holder with retention ring	SP-GO/A
1000.40.090	"B" size gobo holder	SP-GO/B
1000.19.531	Iris diaphragm Ø 75	OR/75
1000.19.631	Iris diaphragm Ø 80	OR/80
1000.19.541	Iris diaphragm Ø 80 with black-out	OR/80/BO
1192.10.550	Hook clamp for Ø 35 to Ø 50 mm tubes	A20
1192.10.560	Hook clamp for Ø 35 to Ø 50 mm tubes	A25
1092.10.550	Hook clamp for Ø 45 to Ø 60 mm tubes	A30
1092.00.092	1.2 m spotlight safety cable	CAS120/N
1090.47.050	Safety grid (185 x 185 mm)	GR/185

EUROPE Range

PC and Fresnel Spotlights for 1000 / 1200 W Halogen Lamps

C101 10° - 65° Plano-Convex

This spotlight, based on high efficiency optics, produces a sharp-edged beam. It can be used for top, front or side lighting.
Field angle adjustable from 10° to 65° (7.5° - 60° beam angle).

Dimensions: 480 x 340 x 420 mm
Net weight: 8 kg

C103 7° - 61° Prism-Convex

This spotlight, based on high efficiency optics, produces a semisharp-edged beam. It can be used for top, front or side lighting.
Field angle adjustable from 7° to 61° (3.5°- 55° beam angle).

Dimensions: 480 x 340 x 420 mm
Net weight: 9.6 kg

F101 13° - 59° Fresnel

This spotlight, based on high efficiency optics, produces a softedged beam. It can be used on large stages or for studio lighting.
Field angle adjustable from 13° to 59° (7.5°- 52° beam angle).

Dimensions: 340 x 340 x 420 mm
Net weight: 6 kg

The Ultimate in Light Output

1000 / 1200 W PC & Fresnel Spotlights

Code	Description	Reference
1016.12.150	**C 101** **Plano-convex** spotlight 10° - 65°	C 101
	Supplied with : • Ø 150 mm plano-convex lens • Glass diffuser • GX 9.5 lampholder • 2 m power supply cable (2 x 1.5 + 1.5 mm²) without plug • 1 integrated safety grid • 1 metal filter frame (185 x 185 mm)	
1010.12.150	**C 103** **Prism-convex** spotlight 7° - 61°	C 103
	Supplied with : • Ø 150 mm prism convex lens • GX 9.5 lampholder • 2 m power supply cable (2 x 1.5 + 1.5 mm²) without plug • 1 integrated safety grid • 1 metal filter frame (185 x 185 mm)	
1011.12.150	**F 101** **Fresnel** spotlight 13° - 59°	F 101
	Supplied with : • Ø 150 mm Fresnel lens • GX 9.5 lampholder • 2 m power supply cable (2 x 1.5 + 1.5 mm²) without plug • 1 integrated safety grid • 1 metal filter frame (185 x 185 mm)	
	Extra charge for pole operation	
	• 2 movements : pan + tilt	CP/PC-F/2M
	• 3 movements : pan + tilt + focus	CP/PC-F/3M
	Motorized yoke: upon request	
	Accessories	
1090.52.205	Metal filter frame (185 x 185 mm)	PFM/185
1001.50.115	Rotatable 4-leaf barndoor without safety cable	CFN/185
1092.00.094	0.75 m safety cable for barndoors	CAS/CF/75
1192.10.550	Hook clamp for Ø 35 to Ø 50 mm tubes	A20
1192.10.560	Hook clamp for Ø 35 to Ø 50 mm tubes	A25
1092.10.550	Hook clamp for Ø 45 to Ø 60 mm tubes	A30
1092.00.092	1.2 m spotlight safety cable	CAS120/N
1090.47.050	Safety grid (185 x 185 mm)	GR/185
	Halogen lamps 230 V - GX 9.5 : see relevant page	

EUROPE Range

1000 / 1200 W Zoom Profile Spotlights with Condenser Optics

DW 105 15° - 38°

Dimensions: 710 x 340 x 420 mm
Net weight: 15 kg

DS 105 15° - 31°

Dimensions: 710 x 340 x 420 mm
Net weight: 14 kg

DSN 105 11° - 23°

Dimensions: 790 x 340 x 420 mm
Net weight: 15.1 kg

DN 105 9° - 20°

Dimensions: 920 x 340 x 420 mm
Net weight: 18.4 kg

DVW 105 38° - 57°

Dimensions: 600 x 340 x 420 mm
Net weight: 13.5 kg

The Ultimate in Light Output

1000 / 1200 W Zoom Profile Spotlights

Code	Description	Reference
1012.10.506	**DW105** Zoom profile spotlight 15° - 38° Supplied with : • 3 zoom lenses and condenser optics • Anti-reflection coating of all lenses • GX 9.5 lampholder • Set of 4 beam shaping shutters with heat insulated handles • 2 m power supply cable (2 x 1.5 + 1.5 mm²) without plug • 1 metal filter frame (185 x 185 mm)	DW105
1012.10.606	**DS105** Zoom profile spotlight 15° - 31° Supplied with : • 2 zoom lenses and condenser optics • Anti-reflection coating of all lenses • GX 9.5 lampholder • Set of 4 beam shaping shutters with heat insulated handles • 2 m power supply cable (2 x 1.5 + 1.5 mm²) without plug • 1 metal filter frame (185 x 185 mm)	DS105
1012.10.806	**DSN105** Zoom profile spotlight 11° - 23 ° Supplied with : • 2 zoom lenses and condenser optics • Anti-reflection coating of all lenses • GX 9.5 lampholder • Set of 4 beam shaping shutters with heat insulated handles • 2 m power supply cable (2 x 1.5 + 1.5 mm²) without plug • 1 metal filter frame (185 x 185 mm)	DSN105
1012.10.706	**DN105** Zoom profile spotlight 9° - 20° Supplied with : • 2 zoom lenses and condenser optics • Anti-reflection coating of all lenses • GX 9.5 lampholder • Set of 4 beam shaping shutters with heat insulated handles • 2 m power supply cable (2 x 1.5 + 1.5 mm²) without plug • 1 metal filter frame (245 x 245 mm)	DN105
1012.10.906	**DVW105** Zoom profile spotlight 38° - 57° Supplied with : • 4 zoom lenses and condenser optics • Anti-reflection coating of all lenses • GX 9.5 lampholder • Set of 4 beam shaping shutters with heat insulated handles • 2 m power supply cable (2 x 1.5 + 1.5 mm²) without plug • 1 metal filter frame (185 x 185 mm)	DVW105
	Extra charge for pole operation, 2 movements, pan + tilt **Motorized yoke:** upon request	CP/D1/2M
	Accessories	
1090.52.205	Metal filter frame (185 x 185 mm) for DW, DVW, DS and DSN types	PFM/185
1090.52.305	Metal filter frame (245 x 245 mm) for DN type	PFM/245
1090.47.050	Safety grid (185 x 185 mm) for DW, DVW, DS and DSN types	GR/185
1090.47.060	Safety grid (245 x 245 mm) for DN type	GR/245
1000.40.080	"A" size gobo holder with retention ring	SP-GO/A
1000.40.090	"B" size gobo holder	SP-GO/B
1000.19.531	Iris diaphragm Ø 75	OR/75
1000.19.631	Iris diaphragm Ø 80	OR/80
1000.19.541	Iris diaphragm Ø 80 with black-out	OR/80/BO
1192.10.550	Hook clamp for Ø 35 to Ø 50 mm tubes	A20
1192.10.560	Hook clamp for Ø 35 to Ø 50 mm tubes	A25
1092.10.550	Hook clamp for Ø 45 to Ø 60 mm tubes	A30
1092.00.092	1.2 m spotlight safety cable	CAS120/N
	Halogen lamps 230 V - GX 9,5 : see relevant page	

EUROPE Range

PC and Fresnel Spotlights for 2000 W Halogen Lamps

C201 5° - 65° Plano-Convex

This spotlight, based on high efficiency optics, produces a sharp-edged beam.
It can be used for top, front or side lighting.
Field angle adjustable from 5° to 65° (3,5° - 61° beam angle).

Dimensions: 545 x 400 x 510 mm
Net weight: 12.6 kg

C203 8° - 58° Prism-Convex

This spotlight, based on high efficiency optics, produces a semi-sharp-edged beam. It can be used for top, front or side lighting.
Field angle adjustable from 8° to 58° (4.5° - 54° beam angle).

Dimensions: 545 x 400 x 510 mm
Net weight: 12.6 kg

F201 12° - 61° Fresnel

This spotlight, based on high efficiency optics, produces a soft-edged beam. It can be used on large stages or for studio lighting.
Field angle adjustable from 12° to 61° (6.5° - 55° beam angle).

Dimensions: 425 x 400 x 510 mm
Net weight: 9.6 kg

The Ultimate in Light Output

2000 W PC & Fresnel Spotlights

Code	Description	Reference
1013.20.150	**C 201** **Plano-convex** spotlight 5° - 65°	C201
	Supplied with : • Ø 200 mm PC lens • GY16 lampholder • 2 m power supply cable (2 x 1.5 + 1.5 mm²) without plug • 1 integrated safety grid • 1 metal filter frame (245 x 245 mm)	
1010.20.150	**C 203** **Prism-convex** spotlight 8° - 58°	C203
	Supplied with : • Ø 200 mm prism-convex lens • GY16 lampholder • 2 m power supply cable (2 x 1.5 + 1.5 mm²) without plug • 1 integrated safety grid • 1 metal filter frame (245 x 245 mm)	
1011.20.150	**F 201** **Fresnel** spotlight 12° - 61°	F201
	Supplied with : • Ø 200 mm Fresnel lens • GY16 lampholder • 2 m power supply cable (2 x 1.5 + 1.5 mm²) without plug • 1 integrated safety grid • 1 metal filter frame (245 x 245 mm)	
	Extra charge for pole operation	
	• 2 movements: pan + tilt	CP/PC-F/2M
	• 3 movements: pan + tilt + focus	CP/PC-F/3M
	Motorized yoke: upon request	
	Accessories	
1090.52.305	Metal filter frame (245 x 245 mm) for DN type	PFM/245
1090.47.060	Safety grid (245 x 245 mm)	GR/245
1001.50.215	Rotatable 4-leaf barndoor without safety cable	CFN/245
1092.00.094	0.75 m safety cable for barndoors	CAS/CF/75
1192.10.550	Hook clamp for Ø 35 to Ø 50 mm tubes	A20
1192.10.560	Hook clamp for Ø 35 to Ø 50 mm tubes	A25
1092.10.550	Hook clamp for Ø 45 to Ø 60 mm tubes	A30
1092.00.092	1.2 m spotlight safety cable	CAS120/N
	Halogen lamp 230 V - GY 16 : see relevant page	

EUROPE Range

2000 W Zoom Profile Spotlights with Condenser Optics

DS 205 13° - 36°

Dimensions: 810 x 420 x 500 mm
Net weight: 22.7 kg

DN 205 10° - 22°

Dimensions: 935 x 420 x 500 mm
Net weight: 22.9 kg

DVW 205 30° - 54°

Dimensions: 700 x 420 x 500 mm
Net weight: 21.3 kg

The Ultimate in Light Output

2000 W Zoom Profile Spotlights

Code	Description	Reference
1012.20.606	**DS 205** zoom profile spotlight 13° - 36°	DS 205
	Supplied with : • 3 zoom lenses and condenser optics • Anti-reflection coating of all lenses • Low noise fan • GY16 lampholder • Set of 4 beam shaping shutters with heat insulated handles • 2 m power supply cable (2 x 1.5 + 1.5 mm²) without plug • 1 metal filter frame (245 x 245 mm)	
1012.20.706	**DN 205** zoom profile spotlight 10° - 22°	DN 205
	Supplied with : • 2 zoom lenses and condenser optics • Anti-reflection coating of all lenses • Low noise fan • GY16 lampholder • Set of 4 beam shaping shutters with heat insulated handles • 2 m power supply cable (2 x 1.5 + 1.5 mm²) without plug • 1 metal filter frame (245 x 245 mm)	
1012.20.906	**DVW 205** zoom profile spotlight 30° - 54°	DVW 205
	Supplied with : • 4 zoom lenses and condenser optics • Anti-reflection coating of all lenses • Low noise fan • GY16 lampholder • Set of 4 beam shaping shutters with heat insulated handles • 2 m power supply cable (2 x 1.5 + 1.5 mm²) without plug • 1 metal filter frame (245 x 245 mm)	
	Extra charge for pole operation, 2 movements, pan + tilt	CP/D2/2M
	Motorized yoke: upon request	
	Accessories	
1090.52.305	Metal filter frame (245 x 245 mm) for DN type	PFM/245
1090.47.060	Safety grid (245 x 245 mm)	GR/245
1000.40.080	"A" size gobo holder with retention ring	SP-GO/A
1000.40.090	"B" size gobo holder	SP-GO/B
1000.19.531	Iris diaphragm Ø 75	OR/75
1000.19.631	Iris diaphragm Ø 80	OR/80
1000.19.541	Iris diaphragm Ø 80 with black-out	OR/80/BO
1192.10.550	Hook clamp for Ø 35 to Ø 50 mm tubes	A20
1192.10.560	Hook clamp for Ø 35 to Ø 50 mm tubes	A25
1092.10.550	Hook clamp for Ø 45 to Ø 60 mm tubes	A30
1092.00.092	1.2 m spotlight safety cable	CAS120/N
	Halogen lamps 230 V - GY 16 : see relevant page	

"A" RANGE

Professional Theatre Spotlights for 300 / 500 / 650 W Halogen Lamps

A 56 C 9° - 66° Prism Convex

This spotlight produces a high level output and a top quality diffused edged beam from a tight spot to a wide flood with beam angles from 5° to 63° (field angle 9° - 66°). Providing a tighter and more controlled beam than a Fresnel, the A 56 C is ideal for front or side lighting on small stages where a maximum of 650 W is required.

Dimensions: 290 x 225 x 330 mm
Net weight: 3.5 kg

A 57 F 14° - 59° Fresnel

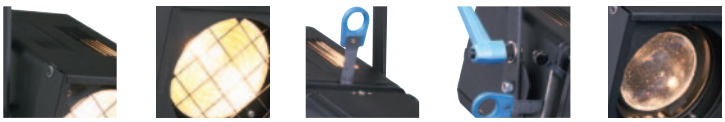
This spotlight produces a high output level and a soft-edged beam, variable from a tight spot of 8° to a wide flood of 51° (field angle 14° - 59°). It is intended for side, back or general lighting, as well as for application in small studios.

Dimensions: 290 x 225 x 330 mm
Net weight: 3.4 kg

A 59 Z 16° - 35° Zoom Profile with Condenser Optics

This spotlight, fitted with a spherical mirror and condenser optics, produces excellent light levels and beam quality. As a variable beam angle profile, the A 59 Z has a very useful range of 16° to 35° and provides a good directional light with cut off beam and variable sharpness. It is perfect for use in smaller venues and to highlight details on larger stages.

Dimensions: 515 x 225 x 330 mm
Net weight: 5.8 kg



Professional Theatre Spotlights

for 300 / 500 / 650 W Halogen Lamps

Code	Description	Reference
1005.31.560	**A 56 C** Prism convex spotlight 9° - 66°	A 56 C
	Supplied with : • Ø 120 mm prism convex lens • GY 9.5 lampholder • 2 m silicone power supply cable (2 x 1.5 + 1.5 mm^2) without plug • 1 safety grid (155 x 155 mm) • 1 metal filter frame (155 x 155 mm)	
1005.31.570	**A 57 F** Fresnel spotlight 14° - 59°	A 57 F
	Supplied with : • Ø 120 mm Fresnel lens • GY 9.5 lampholder • 2 m power supply cable (2 x 1.5 + 1.5 mm^2) without plug • 1 safety grid • 1 metal filter frame (155 x 155 mm)	
1005.31.590	**A 59 Z** Zoom profile spotlight 16°- 35°	A 59 Z
	Supplied with : • 2 zoom lenses and condenser optics • GY 9.5 lampholder • 4 beam shaping shutters with heat insulated handles • 2 m power supply cable (2 x 1.5 + 1.5 mm^2) without plug • 1 metal filter frame (155 x 155 mm)	
	Accessories	
1090.52.110	Metal filter frame (155 x 155 mm)	PFM/A650
3203.10.130	Safety grid (155 x 155 mm)	GR/A650
1090.61.010	Rotatable 4-leaf barndoor for A 57 F and A 56 C	CF/A650
1000.19.200	Iris diaphragm for A 59 Z	OR/A650
1000.40.065	Double gobo holder for A 59 Z	SP/A650
1092.10.505	Hook clamp for Ø 21 to Ø 48 mm tubes	A6
1192.10.550	Hook clamp for Ø 35 to Ø 50 mm tubes	A20
1192.10.560	Hook clamp for Ø 35 to Ø 50 mm tubes	A25
1092.10.550	Hook clamp for Ø 45 to Ø 60 mm tubes	A30
1092.00.092	1.2 m spotlight safety cable	CAS120/N

EUROSPOT

General Purpose Theatre Spotlights for 300 / 500 / 650 W Halogen Lamps

F 51 18° - 65° Fresnel spotlight

The F51 is characterised by a soft-edged beam variable from a tight spot of 18° to a wide flood of 65°.

Dimensions: 245 x 220 x 240 mm
Net weight: 2.2 kg

C 51 9°- 60° Prism-convex spotlight

The C51 is characterised by a semi-sharp edged beam variable from a tight spot of 9° to a wide flood of 60°.

Dimensions: 310 x 220 x 260 mm
Net weight: 2.7 kg

DS 54 18° - 38° Zoom profile spotlight with condenser optics

The DS54 is a variable angle profile spotlight, equipped with 2 individually adjustable zoom lenses. It provides a sharp or soft-edged beam over a very useful range of 18° to 38°. Zoom focusing is smooth and stable in any position. The use of high quality condenser optics results into a superior beam quality and very accurate imaging capabilities.

Dimensions: 440 x 220 x 260 mm
Net weight: 3.7 kg

DW 54 30° - 47° Zoom profile spotlight with condenser optics

The DW54 is a variable 30°-47° wide angle profile spotlight, equipped with 2 individually adjustable zoom lenses. Zoom focusing is smooth and stable in any position.The use of high quality condenser optics results into an even light distribution at wide angles with very accurate imaging capabilities. This makes the DW 54 a very useful complement to the DS 54 (18°-38°) of the same family.

Dimensions: 370 x 220 x 260 mm
Net weight: 3.5 kg

General Purpose Theatre Spotlights

for 300 / 500 / 650 W Halogen Lamps

Code	Description	Reference
1005.32.100	**F 51** Fresnel spotlight 18° - 65°	F51
	Supplied with : • Ø 112 mm Fresnel lens • GY9.5 lampholder • 1 m power supply cable (2 x 1.5 + 1.5 mm^2) without plug • 1 safety grid • 1 metal filter frame (125 x 125 mm)	
1005.32.110	**C 51** Prism-convex spotlight 9° - 60°	C51
	Supplied with : • Ø 112 mm prism convex lens • GY9.5 lampholder • 1 m power supply cable (2 x 1.5 + 1.5 mm^2) without plug • 1 safety grid • 1 metal filter frame (125 x 125 mm)	
1005.32.130	**DS 54** Zoom profile spotlight 18°- 38°	DS54
	Supplied with : • 2 zoom lenses and 1 condenser lens • GY9.5 lampholder • 4 beam shaping shutters with isolated handles • 1 m power supply cable (2 x 1.5 + 1.5 mm^2) without plug • 1 safety grid • 1 metal filter frame (125 x 125 mm)	
1005.32.140	**DW 54** Zoom profile spotlight 30°- 47°	DW54
	Supplied with : • 2 zoom lenses and 1 condenser lens • GY9.5 lampholder • 4 beam shaping shutters with isolated handles • 1 m power supply cable (2 x 1.5 + 1.5 mm^2) without plug • 1 safety grid • 1 metal filter frame (125 x 125 mm)	
	Accessories	
1090.52.905	Metal filter frame (125 x 125 mm)	PFM/EURO
1090.62.205	Rotatable 4-leaf barndoor for F51 and C51	CF/EURO
1000.19.645	Iris diaphragm for DS and DW profiles	OR/EURO
1000.40.045	Gobo holder for DS and DW profiles	SP/GO/EURO
1092.10.505	Hook clamp for Ø 21 to Ø 48 mm tubes	A6
1192.10.550	Hook clamp for Ø 35 to Ø 50 mm tubes	A20
1192.10.560	Hook clamp for Ø 35 to Ø 50 mm tubes	A25
1092.10.550	Hook clamp for Ø 45 to Ø 60 mm tubes	A30
1092.00.092	1.2 m spotlight safety cable	CAS120/N

Halogen lamps 230 V - GY 9.5 : see relevant page

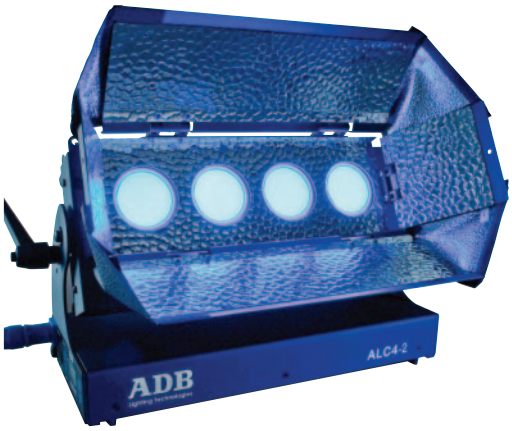
Multi-Purpose Luminaires

After halogen, discharge and fluo light sources, ADB could not ignore the LED technology, hence another major innovation, ALC4, a modular LED RGB+White lighting fixture for use as cyclight or fill light for stage and studio lighting. With only 4 x 40 W LED sources, ALC4 generates the equivalent light output and colour rendition of a 1000 W halogen fixture with a 1 million-colour palette via DMX.
48 ALC4 fixtures were the key visual element of Jean Michel Jarre's 2010 European Tour acclaimed by thousands of fans.

Further multi-purpose luminaires include a broad choice of conventional fill lights and cyclorama lights.

ALC4-2 LED Fixture

With ALC4-2, your Cycloramas will never look the same!
ALC4-2 gives you a brilliant palette of 1 million internally mixed fringe-free colours, including pure yellow and soft ambers, and seven white light presets from 2700 K to Daylight 6500 K. For even more flexibility, the system can be controlled by DMX in different modes – in particular, in a colour-tuneable RGB mode, or a white-tuneable CCT mode. All with extraordinary colour consistency and only 200 W power consumption.



ACP Cyclorama Lights

The ACP Cyclorama lights features a unique combination of an asymmetrical reflector and 2, highly reflective side mirrors to provide high quality lighting for both studio and stage applications.

LF/HF 1000 Fill Lights

These 2 fixtures, fitted with a slewing aluminium reflector, are intended to provide even and soft lighting at short distance. They are particularly suitable for creating a diffused, homogenous light level for small to medium size theatre stages, TV studios, conference rooms...

ALC4-2

General Characteristics

- Cyclorama and fill light fixture for Theatre and TV Studio Lighting.
- Dynamic RGB + White module with 4 x 50 W LED sources, factory calibrated.
- Even light distribution through high brilliance aluminum reflector.
- Selectable beam angle through asymmetric or symmetric reflector, or 4-leaf reflective barndoor.
- Full RGB + White allowing more than one million colours, including pure yellow and full amber.
- Compact, light weight unit.

User Benefits

- Excellent color uniformity between several sources with no color separation between beams and no coloured shadows.
- 7 “calibrated” preset “White” levels between 2700K and 6500K.
- Stepless control from warm-white 2700K to daylight 6500K.
- Closed-loop optical feedback circuit in each LED source guarantees consistency in colour, white and light output.
- Creation of various background illuminations and / or effects.
- Smooth, flicker-free light output, without any colour or white changes when dimmed.
- High efficiency and major energy savings in comparison with halogen fixtures.
- Removable reflector allowing other beam control accessories.
- Reduced CO2 footprint compared with conventional halogen fixtures.

ALC4-2 is a unique, state-of-the-art product, another ADB innovation

ALC4-2

REF/SYM/ALC4

Code	Description	Reference
1060.20.000	**ALC4-2 - LED RGB+White Fixture**	ALC4-2

Supplied with :
- 4 StagePainter D60 2000 light sources
- clamping tool for mounting the instrument on a pipe with an optional hook
- 1.6 m power supply cable with POWERCON twist-lock connector and with open ends on the other side

ALC4-2 Features:
- high illumination quality
- closed-loop optical feedback for consistent color and intensity
- white color temperature presets from 2,700K to 6,500K
- completely mixed source with excellent color uniformity and no color separation in the beam
- no degrading ultraviolet or uncomfortable infrared wavelengths in beam
- sustainable and environmentally friendly
- robust package absent of fragile glass
- reduced CO2 footprint compared to conventional halogen fixtures
- no waste (gels, lamps, etc.) throughout the product life

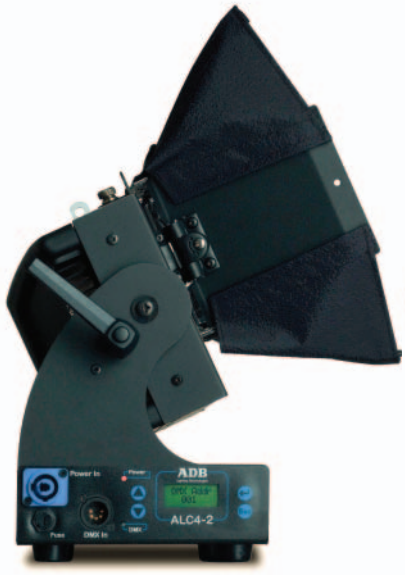
Dimensions

with asymmetric reflector: 380 x 605 x 495 mm
without reflector: 182 x 496 x 268 mm
Net weight: 10 kg

Accessories

1060.10.010	Asymmetric Cyclorama reflector	REF/ASYM/ALC4
1060.10.020	Symmetric reflector for further throw distance	REF/SYM/ALC4
1060.10.050	Symmetric reflector for further throw distance 36°	REF/SYM36/ALC4
1060.10.030	Barndoor with high efficiency reflecting surface	REF/CF/ALC4
1060.10.040	Interconnection power supply cable (2 m)	PWRLNK/2M/ALC4

REF/SYM36/ALC4



REF/CF/ALC4

REF/ASYM/ALC4

Cyclorama Lights

ACP 1000

Cyclorama light with asymmetrical reflector for use with gel filter

Dimensions: 390 x 450 x 230 mm
Net weight: 5 kg

The ACP Cyclorama lights features a unique combination of an asymmetrical reflector and 2, highly reflective side mirrors to provide high quality lighting for both studio and stage applications.

These fixtures are ideal for creating an homogenous light level or for stage set lighting, e.g.

- vertical, even illumination of cyclorama or horizon screen
- diffused back lighting
- asymmetrical soft light

These compact and lightweight luminaires are designed for use with 625 W, 1000 W or 1250 W clear or frosted halogen lamps, and either gel or glass colour filters.
Excellent ventilation by natural convection ensures long life of lamps and filters.
Flexibility is provided by a large choice of single, double, triple or quadruple units assembled in either horizontal, vertical or square formats.
Each combination can be supplied for manual or pole operation.

625 W / 1000 W / 1250 W Cyclorama Lights

Code	Description		Reference
	ACP 1000 Cyclorama		
1060.02.020	single for	- gel filters	ACP1001
1060.02.040	double horizontal for	- gel filters	ACP1002H
1060.02.100	double vertical for	- gel filters	ACP1002V
1060.02.120	triple in line for	- gel filters	ACP1003H
1060.02.060	quadruple in line for	- gel filters	ACP1004H
1060.02.080	quadruple in square for	- gel filters	ACP1004C
	Supplied with : • R7S lampholder • Safety grid with 3 mm meshing • 2 m power supply cable (2 x 1.5 + 1.5 mm^2) without plug		
	Extra charge for pole operation (1 movement : pan)		
	Accessories		
1090.16.040	Vertical barndoors (set of 2 pieces, 1 right & 1 left)		CFV/ACP
1090.16.080	Horizontal barndoor (one bottom part)		CFH/ACP
1192.10.550	Hook clamp for Ø 35 to Ø 50 mm tubes		A20
1192.10.560	Hook clamp for Ø 35 to Ø 50 mm tubes		A25
1092.10.550	Hook clamp for Ø 45 to Ø 60 mm tubes		A30
1092.10.505	Hook clamp for Ø 21 to Ø 48 mm tubes		A6
1092.00.092	1.2 m safety cable		CAS120/N
	Halogen Lamps 230 V - R7S : see relevant page		

Fill Lights

LF 1000 Fill Light with symmetrical Reflector

General purpose fill light for creating even and soft lighting at short distance. Fitted with a 1000 W lamp, it will yield an axial light intensity of 10,000 cd. It can also be used as a high intensity batten when 4 units or more are mounted in a row.

Dimensions: 350 x 190 x 70 mm
Net weight: 1.5 kg

HF 1000 Fill Light with asymmetrical Reflector

Small cyclorama light for perfectly diffused lighting of projection plans, such as cyclorama, back cloth, wall or scenery. A 4-unit row can be used as a 4-colour cyclorama light. Fitted with a 1000 W lamp, a row of 7 units at 3 m from the cloth, equidistant from each other, will provide a light level of 1000 lux in the median lines and in the plane of a 10 m wide and 5 m high cyclorama.

Dimensions: 350 x 190 x 70 mm
Net weight: 1.5 kg

These 2 fixtures, fitted with a slewing aluminium reflector, are intended to provide even and soft lighting at short distance. They are particularly suitable for creating a diffused, homogenous light level for small to medium size theatre stages, TV studios, conference rooms...

LF 1000 and HF 1000 fill lights are designed for 230 V / 625 W, 1000 W or 1250 W tubular halogen lamps. Their small size and low weight make them easy to transport and install.

625 W / 1000 W / 1250 W Fill Lights

Code	Description	Reference
	LF / HF 1000 Fill Lights	
1035.01.010	**LF 1000** - with symmetrical reflector	LF1000
1035.05.120	**HF 1000** - with asymmetrical reflector	HF1000
	Supplied with : • R7S lampholder • Safety grid with 3 mm meshing • 2 m power supply cable (2 x 1.5 + 1.5 mm^2) without plug	
	Accessories	
1035.01.060	Filter frame holder cassette	ACV/F1000
1035.08.110	Set of 2 vertical barndoors for LF/HF 1000	CFV1/F1000
1035.08.210	Set of 2 horizontal barndoors for LF/HF 1000 or ACV/F 1000	CFH/F1000
1035.08.310	Set of 2 vertical barndoors for ACV/F 1000	CFV2/ACV/F1000
1035.08.410	Set of 4 filter frames for glass filters with safety grid	PF/ACV/F1000
1035.08.910	Bracket stand for assembly of 4 LF/HF 1000	BAR/F1000
1092.10.505	Hook clamp for Ø 21 to Ø 48 mm tubes	A6
1192.10.550	Hook clamp for Ø 35 to Ø 50 mm tubes	A20
1192.10.560	Hook clamp for Ø 35 to Ø 50 mm tubes	A25
1092.10.550	Hook clamp for Ø 45 to Ø 60 mm tubes	A30
1092.00.092	1.2 m safety cable	CAS120/N

Halogen Lamps 230 V - R7S : see relevant page

Television Luminaires

ADB and ARRI have entered into a cross marketing agreement with the double objective of exploiting the synergies between their product ranges and exploring opportunities for rationalizing their product spectrum. ADB is now able to offer the complete ARRI range of professional TV broadcast and motion picture spotlights. In our catalogue we have presented only a small segment of the ARRI product range – the complete selection of ARRI products are available upon request. Please contact your ADB sales partner for more information.

ADB's cool light SOFTLUX fluorescent fixtures are the economical solution to modern studio lighting wherever conventional lighting is generating prohibitive energy consumption and discomfort for the actors.

But not only specialised TV fixtures are used for studio lighting. Some of our high quality profile spotlights have found their way into TV studios, as for example in the spectacular circular lighting rig of the newest news studio of TF1, France's leading commercial TV station, where 36 ADB motorized WARP/M zoom profiles are installed.

With the increasing demand for sustainability and ecological solutions, ADB has developed the ALC4, an LED RGB+W fixture which is not only highly suitable for cyclorama lighting, but also for other TV lighting purposes thanks to various accessories (see dedicated section).

ARRI TV Spotlights
The Top Quality Reference in Studio and Stage Lighting

A choice of 15 versions from 150 W to 5000 W for manual or pole operation.

SOFTLUX Cool Lights

The economical solution to modern Studio Lighting!
A choice of 4 basic versions, for manual or pole operation, with 2, 4, 6 or 8 55 W fluorescent lamps, with 3000 K to 5600 K colour temperature.

JUNIOR SERIES

TV Tungsten Fresnel Spotlights

ARRI JUNIOR 150

150 W **14° - 42°**

Weight: 0.7 kg

ARRI JUNIOR 300

300 W **14° - 53°**

Weight: 1.5 kg

ARRI JUNIOR 650

650 W **12° - 52°**

Weight: 2.7 kg

ARRI JUNIOR is ideal, not only for small studios, but also for portable use.
The light weight and compact size makes it a universal tool for cramped conditions without compromising efficiency or lamp life.
The classic ARRI construction of strong and rust-resistant extruded and die cast aluminium makes the Junior ideal for outdoor use.

Main features:
- excellent optical performance
- high efficiency
- compact size
- robust construction
- easy operation
- easy service access
- wide range
- extensive accessories

Variants:
- 150 W in-line dimmer
- 150 W - 650 W with ERCO Track adapter
- P.O. versions of 650 W
- range of options and colours available

TV Tungsten Fresnel Spotlights

for 150 / 300 / 650 W Halogen Lamps

Code	Description	Reference
	JUNIOR Series	
	ARRI 150 blue/silver with switch fresnel 150 W for GX6.35 lampholder - manually operated with 4-leaf barndoor and filter frame, lens Ø 50 mm	ARRI/150
	ARRI 300 blue/silver fresnel 300 W for GY9.5 lampholder - manually operated with 4-leaf barndoor and filter frame, lens Ø 80 mm	ARRI/300
	ARRI 650 blue/silver fresnel 650 W for GY9.5 lampholder - manually operated with 4-leaf barndoor and filter frame, lens Ø 112 mm	ARRI/650
	ARRI 650 blue/silver fresnel 650 W for GY9.5 lampholder - PAN/TILT/FOCUS pole operation with 4-leaf barndoor and filter frame, lens Ø 112 mm	ARRI/650/PO
	Halogen lamps 230 V : see relevant page	
	Accessories	
	4-leaf barndoor, black, 78 mm (ARRI/150)	ARRI/CF4/78
	4-leaf barndoor, black, 130 mm (ARRI/300)	ARRI/CF4/130
	4-leaf barndoor, black, 168 mm (ARRI/650)	ARRI/CF4/168
	8-leaf barndoor, black, 168 mm (ARRI/650)	ARRI/CF8/168
	Filter frame 78 mm (ARRI/150)	ARRI/PFM/78
	Filter frame 130 mm (ARRI/300)	ARRI/PFM/130
	Filter frame 168 mm (ARRI/650)	ARRI/PFM/168
	Set of 4 metal scrims, 78 mm / 3" (ARRI/150)	ARRI/KIT/AM/78
	Set of 4 metal scrims, 130 mm / 5" (ARRI/300)	ARRI/KIT/AM/130
	Set of 4 metal scrims, 168 mm/6 5/8" (ARRI/650)	ARRI/KIT/AM/168

Other versions and accessories are available upon request

True Blue SERIES

TV Tungsten Fresnel Spotlights

ARRI T1

1000 W Location Fresnel

Weight: 5.5 kg (manual) - 7.5 kg (pole operated)

ARRI ST1

1000 W Studio Fresnel

Weight: 7 kg (manual) - 8 kg (pole operated)

ARRI T2

2000 W Location Fresnel

Weight: 7 kg (manual) - 8 kg (pole operated)

ARRI ST2

2000 W Studio Fresnel

Weight: 10.5 kg (manual) - 11.5 kg (pole operated)

ARRI T5

5000 W Location Fresnel

Weight: 11.5 kg (manual)

ARRI ST5

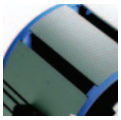
5000 W Studio Fresnel

Weight: 13.5 kg (manual) - 15 kg (pole operated)

ARRI TRUE BLUE represent an unprecedented evolution of the location fixtures that have been popular workhorses for over two decades. Following extensive research and feedback from lighting professionals around the world, combined with advances in technology, ARRI has designed a series of six highly innovative lampheads with over 30 new improvements for studio and location lighting.

Main features:

- Cross Cooling System: new, highly effective cooling streams in addition to conventional cooling
- Sliding Stirrup: centre of gravity adjustment
- Tilt Lock: stainless steel friction disc for rigid lock-off
- Top Latches: application-oriented Top Latches for location or studio use
- Adjustable Accessory Brackets: adjustable 2-scrim and 4-scrim position
- Stainless Steel Lens Protection: maximised light transmission and high temperature stability
- Extremely Robust Barndoors: made of special alloy with high strength-to-weight ratio and effective tightening function
- Maintenance: more shared parts, very fast access to all interior workings with three torx drivers only
- Improved Weather Protection / IP23: safe indoor and outdoor use
- Safety Certification: CE, TÜV-GS, NRTL-US-C



TV Tungsten Fresnel Spotlights

for 1000 / 2000 / 5000 W Halogen Lamps

Code	Description	Reference
	True Blue Series	
	ARRI True Blue T1 blue/silver fresnel 1000 W for G22 lampholder - manually operated with 4-leaf barndoor and filter frame, lens Ø 150 mm	ARRI/T1
	ARRI True Blue T1 blue/silver fresnel 1000 W for G22 lampholder - PAN/TILT/FOCUS pole operation with 4-leaf barndoor and filter frame, lens Ø 150 mm	ARRI/T1/PO
	ARRI True Blue T2 blue/silver fresnel 2000 W for G38 lampholder - manually operated with 4-leaf barndoor and filter frame, lens Ø 175 mm	ARRI/T2
	ARRI True Blue T2 blue/silver fresnel 2000 W for G38 lampholder - PAN/TILT/FOCUS pole operation with 4-leaf barndoor and filter frame, lens Ø 175 mm	ARRI/T2/PO
	ARRI True Blue T5 blue/silver fresnel 5000 W for G38 lampholder - manually operated with 4-leaf barndoor and filter frame, lens Ø 250 mm	ARRI/T5
	ARRI True Blue ST1 blue/silver fresnel 1000 W for G22 lampholder - manually operated with 4-leaf barndoor and filter frame, lens Ø 175 mm	ARRI/ST1
	ARRI True Blue ST1 blue/silver fresnel 1000 W for G22 lampholder - PAN/TILT/FOCUS pole operation with 4-leaf barndoor and filter frame, lens Ø 175 mm	ARRI/ST1/PO
	ARRI True Blue ST2 blue/silver fresnel 2000 W for G38 lampholder - manually operated with 4-leaf barndoor and filter frame, lens Ø 250 mm	ARRI/ST2
	ARRI True Blue ST2 blue/silver fresnel 2000 W for G38 lampholder - PAN/TILT/FOCUS pole operation with 4-leaf barndoor and filter frame, lens Ø 250 mm	ARRI/ST2/PO
	ARRI True Blue ST5 blue/silver fresnel 5000 W for G38 lampholder - manually operated with 4-leaf barndoor and filter frame, lens Ø 300 mm	ARRI/ST5
	ARRI True Blue ST5 blue/silver fresnel 5000 W for G38 lampholder - PAN/TILT/FOCUS pole operation with 4-leaf barndoor and filter frame, lens Ø 300 mm	ARRI/ST5/PO
	Halogen lamps 230 V : see relevant page	
	Accessories	
	4-leaf barndoor, True Blue, black, 197 mm (ARRI/T1)	ARRI/CF4/197
	4-leaf barndoor, True Blue, black, 245 mm (ARRI/T2 & ST1)	ARRI/CF4/245
	4-leaf barndoor, True Blue, black, 344 mm (ARRI/T5 & ST2)	ARRI/CF4/344
	4-leaf barndoor, True Blue, black, 413 mm (ST5)	ARRI/CF4/413
	8-leaf barndoor, True Blue, black, 197 mm (ARRI/T1)	ARRI/CF8/197
	8-leaf barndoor, True Blue, black, 245 mm (ARRI/T2 & ST1)	ARRI/CF8/245
	8-leaf barndoor, True Blue, black, 344 mm (ARRI/T5 & ST2)	ARRI/CF8/344
	8-leaf barndoor, True Blue, black, 413 mm (ST5)	ARRI/CF8/413
	Filter frame 197 mm (ARRI/T1)	ARRI/PFM/197
	Filter frame 230 mm (ARRI/T2 & ST1)	ARRI/PFM/230
	Filter frame 330 mm (ARRI/T5 & ST2)	ARRI/PFM/330
	Filter frame 400 mm (ST5)	ARRI/PFM/400
	Metal scrim set, 197 mm/7 3/4in, full double, half double, full single, half single (ARRI/T1)	ARRI/KIT/AM197
	Metal scrim set, 230 mm/9", full double, half double, full single, half single (ARRI/T2 & ST1)	ARRI/KIT/AM230
	Metal scrim set, 330 mm/13", full double, half double, full single, half single (ARRI/T5 & ST2)	ARRI/KIT/AM330
	Metal scrim set, 400 mm/13", full double, half double, full single, half single (ST5)	ARRI/KIT/AM400

Other versions and accessories are available upon request

LED SERIES

TV Focusable Fresnel Spotlights

ARRI L7-C
Colour Controllable Fresnel Spotlight

220 W **15° - 50°**

Weight: 10.9 kg

ARRI L7-T
Tungsten Halogen CT - 3200K Fresnel Spotlight

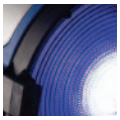
220 W **15° - 50°**

Weight: 10.9 kg

The **L7-C** and **L7-T** are the first **LED fixtures** to truly incorporate Fresnel characteristics such as continuous focusability from spot to flood and a smooth, homogenous light field. L stands for LED and 7 for the 7" Fresnel-like lens shared by both models. It is in colour output that they differ: the L7-T is 3200 K (matching tungsten) while the L7-C is fully colour controllable, enabling correlated colour temperature, green-magenta shift and RGBW colours to be set with ease.

Flattering, true-to-life colour rendition, previously achievable only with full-spectrum tungsten sources, is a hallmark feature of the L-Series. The L7-T provides excellent reproduction of tungsten light, in both colour and quality.

The fully tuneable white light of the L7-C can be adjusted for different skin tones, camera sensors and mixed-light environments, while specific colour shades can be matched through full gamut colour mixing. Unlike other LED fixtures, this level of colour control does not involve compromising the quality of the light field: the L7 Fresnels are unique in combining uniform light and single shadow rendition with absolute control of colour attributes.



TV LED Fresnel Spotlights

for 220 W

Code	Description	Reference
	LED Series	
1020.26.110	**ARRI L7-C Colour Controllable Fresnel Spotlight** focusable fresnel 220 W - lens Ø 175 mm	ARRI/L7C
1020.26.100	**ARRI L7-T LED fresnel** tungsten balanced 3200 K LED fresnel	ARRI/L7T
	The luminaires are supplied with: • Onboard controller side panel • Pole operated versions and versions without controller side • Panel are available upon request	
	Accessories	
	8-leaf barndoor, True Blue, 197 mm	ARRI/CF8/197
	4-leaf barndoor, True Blue, 197 mm	ARRI/CF4/197
	Filter frame 197 mm	ARRI/PFM/197
	Other versions are available upon request	

SOFTLUX

SOFTLUX cool lights are intended to provide cool running, continuous lighting, with either Tungsten (3200 °K) or Daylight (5200 °K - 5600 °K) balance, in Film and Studio applications. They range from 110 W to 440 W in various combinations of 55 W fluorescent lamps.

SOFTLUX produces 300 % to 400 % more lumen per Watt than conventional tungsten lamps resulting in less heat emission, less power consumption, more comfort for the subject and a greatly reduced HVAC cost.

SOFTLUX fluorescent lamps will last a minimum of 6000 h, 60 times longer than conventional tungsten or HMI lamps, without degradation and loss of colour balance.

SOFTLUX dimming is through the DMX signal of a lighting console, and/or a local potentiometer.

SOFTLUX combines a specially designed lamp/reflector unit which gives a symmetrical, directional "punchy" light output and allows longer throw or wider spread as required. The simple attachment of a honeycomb screen allows local light control with 20°, 40° or 60° field angle.

SOFTLUX Linear Space Lights
SLW 220 & SLW 440, fitted with 2 or 4 pairs of 55 W lamps mounted side by side with an integral, 4-leaf black barndoor and optional eggcrate, are intended to produce a wide angular light with relatively sharp edges for illuminating areas, walls, groups of artists and even cyclorama.

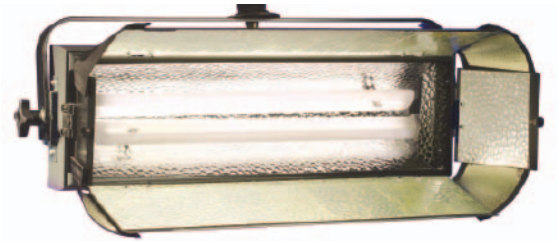
SOFTLUX combines modern advances in fluorescent lamp technology and electronic control to provide a powerful, flickerfree light source, both flexible and easy to use.

SOFTLUX comes into a very rigid, lightweight aluminium body, slim and rounded for maximum operational safety, with an elegant finish in a dark grey semi-gloss paint. Other colours upon request.

SOFTLUX fixtures are supplied with:

- a 4-leaf reflective barndoor (SL types)
- a 4-leaf black barndoor (SLW types)
- a yoke with central hole Ø 11 mm for DIN Spigot, BS4015 or standard hook clamp
- a 2 m power supply cable with open end.

Lamps are not included.

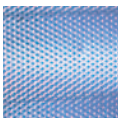


SOFTLUX 110 W

SOFTLUX 220 W

SOFTLUX 330 W with honeycombs

SOFTLUX 440 W



SOFTLUX Cool Lights

110 / 220 / 330 / 440 W

Code	Description	Reference
	SOFTLUX Cool Lights - Manual operation	
	with 4-leaf reflective barndoor, 2 m cable, without lamps	
1075.00.080	SOFTLUX 110W - 2 x 55W - 230V DMX/Local Control	SL110/DMX/LC
1075.00.090	SOFTLUX 220W - 4 x 55W - 230V DMX/Local Control	SL220/DMX/LC
1075.00.100	SOFTLUX 330W - 6 x 55W - 230V DMX/Local Control	SL330/DMX/LC
1075.00.105	SOFTLUX 440W - 8 x 55W - 230V DMX/Local Control	SL440/DMX/LC
	SOFTLUX Cool Lights - Pole operation	
	with 4-leaf reflective barndoor, 2 m cable, without lamps	
1075.01.080	SOFTLUX 110W - 2 x 55W - 230V DMX/Local Control	SL110/DMX/LC/PO
1075.01.090	SOFTLUX 220W - 4 x 55W - 230V DMX/Local Control	SL220/DMX/LC/PO
1075.01.100	SOFTLUX 330W - 6 x 55W - 230V DMX/Local Control	SL330/DMX/LC/PO
1075.01.105	SOFTLUX 440W - 8 x 55W - 230V DMX/Local Control	SL440/DMX/LC/PO
	SOFTLUX Linear Space Lights	
	with 4-leaf black barndoor, 2 m cable, without lamps	
1075.02.090	SOFTLUX 2 x 110W in line - 4 x 55W - 230V DMX/Local Control	SLW220/DMX/LC
1075.02.105	SOFTLUX 4 x 110W in line - 8 x 55W - 230V DMX/Local Control	SLW440/DMX/LC
	Dimensions	
	SL 110/DMX/LC: 645 x 230 x 605 mm - Net weight: 5 kg	
	SL 220/DMX/LC: 645 x 380 x 605 mm - Net weight: 7 kg	
	SL 330/DMX/LC: 645 x 530 x 605 mm - Net weight: 9 kg	
	SL 440/DMX/LC: 645 x 680 x 605 mm - Net weight: 11 kg	
	Accessories	
1075.00.188	Integral safety grid and colour frame for SL110	SL110/SGCF
1075.00.198	Integral safety grid and colour frame for SL220	SL220/SGCF
1075.00.208	Integral safety grid and colour frame for SL330	SL330/SGCF
1075.00.408	Integral safety grid and colour frame for SL440	SL440/SGCF
	Integral safety grid and colour frame for SLW220	SLW220/SGCF
	Integral safety grid and colour frame for SLW440	SLW440/SGCF
	Swivel arm for SL110 and SL220, including mounting bracket	SWIVARM110/220
1075.00.182	20° Honeycombs for Softlux SL110	SL110/H20
1075.00.184	40° Honeycombs for Softlux SL110	SL110/H40
, 1075.00.186	60° Honeycombs for Softlux SL110	SL110/H60
1075.00.192	20° Honeycombs for Softlux SL220	SL220/H20
1075.00.194	40° Honeycombs for Softlux SL220	SL220/H40
1075.00.196	60° Honeycombs for Softlux SL220	SL220/H60
1075.00.202	20° Honeycombs for Softlux SL330	SL330/H20
1075.00.204	40° Honeycombs for Softlux SL330	SL330/H40
1075.00.206	60° Honeycombs for Softlux SL330	SL330/H60
1075.00.402	20° Honeycombs for Softlux SL440	SL440/H20
1075.00.404	40° Honeycombs for Softlux SL440	SL440/H40
1075.00.405	60° Honeycombs for Softlux SL440	SL440/H60
1075.02.192	20° Honeycombs for Softlux SLW220	SLW220/DMX/H20
1075.02.194	40° Honeycombs for Softlux SLW220	SLW220/DMX/H40
1075.02.196	60° Honeycombs for Softlux SLW220	SLW220/DMX/H60
1075.02.402	20° Honeycombs for Softlux SLW440	SLW440/DMX/H20
1075 02 404	40° Honeycombs for Softlux SLW440	SLW440/DMX/H40
1075.02.406	60° Honeycombs for Softlux SLW440	SLW440/DMX/H60

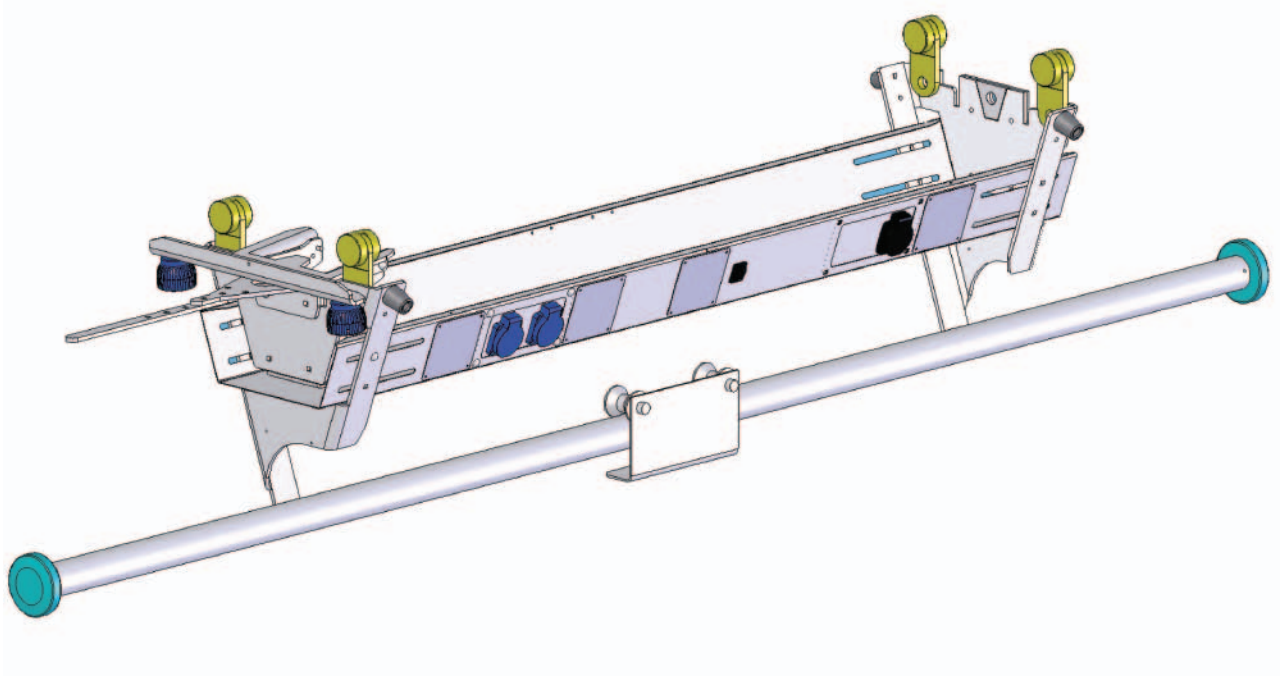
Fluorescent Lamps 230 V: see relevant page

Rigging Systems & Studio Design

As rigging equipment accounts for a major part of the lighting system in a broadcast studio, ADB has developed a new generation of high performance, cost effective products, and is able to propose customized solutions which will meet any specific requirement.

I.S.S ADB's proprietary Intelligent Safety System, represents a unique, state-of-the-art approach to suspension safety. I.S.S. first measures the initial load (the reference) automatically before starting up, then monitors in real time any variation from the reference, and eventually stops the hoist if the variation exceeds a certain value as determined by the sensitivity level.

ADB's project department is at your service for the study, the concept and execution of any TV studio lighting & suspension system.



Track & Barrel Systems

Small studios may well function with a simple grid work of pipes or trusses suspended from the ceiling. The diameter of the pipes is typically 1.5 inch or approx. 38 mm.

This will work fine if the lighting structure of the studio stays more or less the same day-in day-out.

But for studios with low ceilings (between 4 and 6 m net height) with frequent changes, it is economical to invest in a simple but very effective mechanical solution – The Track and Barrel system.

It consists of lighting bars mounted on trolleys, which travel in a track system across the studio ceiling. (It is important to provide enough space above the tracks so that ventilation ducts, cable trays and other equipment can be fitted in.) The new Track and Barrel system has been proven to be extremely economical and flexible for use:

- Track and Barrel is based on Industrial components
- Easy to assemble on site
- The barrels are completely prewired, which means that there is:
  - Consistency in outlet numbering
  - Full coverage of the complete studio with a minimum amount of circuits
- Every outlet is permanently wired to either a dimmer or a direct outlet
  (Even greater flexibility can be achieved with the ADB EURODIM Twin Tech DimSwitch modules)
- Every data/DMX connection is permanently wired to a data patch bay
- Any suspended luminaire can be “pole operated” and move in 3 directions
  (LEFT <-> RIGHT, FORWARD <-> BACKWARD, UP <-> DOWN (by pantograph)

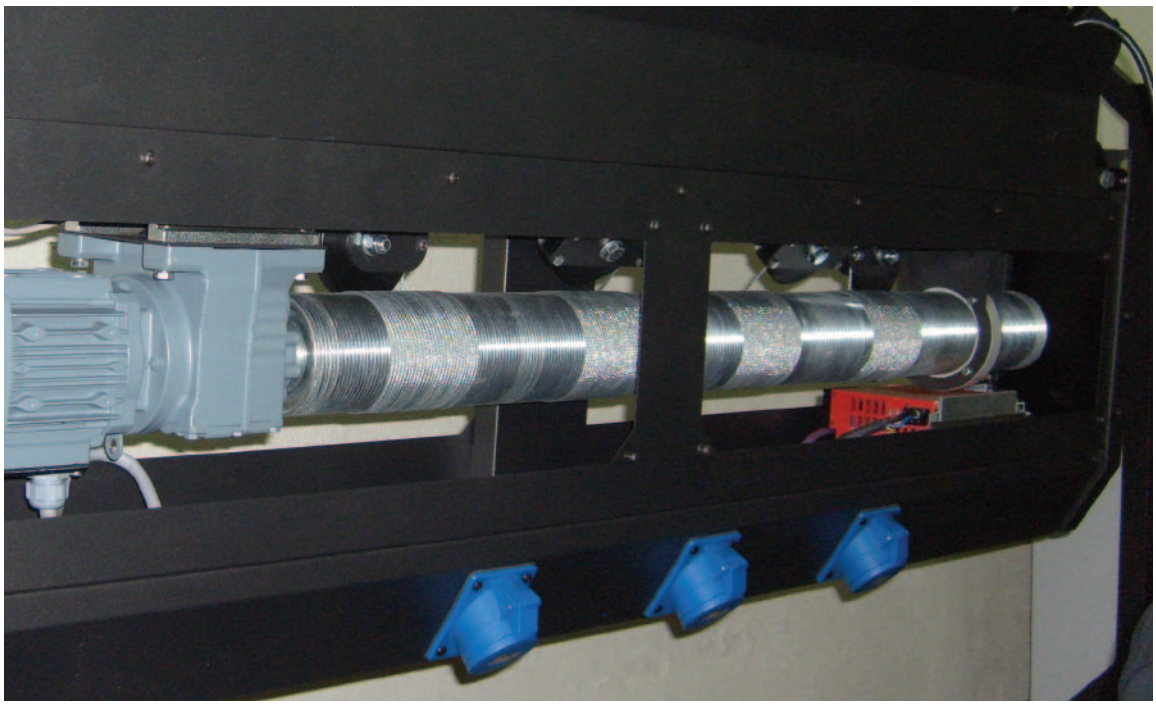
Motorized Hoists

ADB offers a very broad choice of motorized hoisting solutions for TV studios with a grid height up to 15 m.
Standard products include self-climbing hoists with pile-up or drum winding, with either ADB proprietary Intelligent Safety System (I.S.S.) or conventional no-load / overload mechanical system. Customized solutions are possible as well.

Self-Climbing Hoists with Pile-up Winding

ECONOMIC	INTELLIGENT
PWS-1	**PWS-2**
Maximum travel: 11 m Safe working load: 120 kg Average travel speed: 5.5 m / min.	Maximum travel: 11 m Safe working load: 120 kg Average travel speed: 5.5m / min.
Mechanical No-Load / Overload safety system	I.S.S. Intelligent Safety System (*)
Top box for the connection of all electrical wiring to the hoist Top & bottom travel limit switches + safety over-travel limit switches	Top box for the connection of all electrical wiring to the hoist Top & bottom travel limit switches + safety over-travel limit switches
MotoVario motor-gearbox tri-phase 0.55 kW SEW Frequency converter for Soft start / Soft stop	MotoVario motor-gearbox tri-phase 0.55 kW SEW intelligent Frequency converter for I.S.S. + Soft start / Soft stop
4 steel wires diam. 3.2 mm Standard body: 2 m	4 steel wires diam. 3.2 mm Standard body: 2 m

(*) I.S.S. system includes:
- 2 sensor elements.
- 2 sensor connection cables, 2.5 m long with connection to the intelligent frequency converter.
- 1 Top Box including terminal block for all electrical connections to the flexible multi-cables + incoming wiring.



Motorized Hoists with Drum Winding

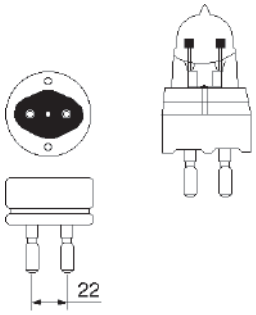
ECONOMIC	INTELLIGENT	HIGH SPEC
DWS-1	**DWS-2**	**DWS-3**
Self-climbing hoist	Self-climbing hoist	Motorized hoist, for under-grid or over-grid installation and heavy duty
Maximum travel: 11 m Safe working load: 120 kg Travel speed: constant 7 m / min.	Maximum travel: 11 m Safe working load: 120 kg Travel speed: constant 7 m / min.	Maximum travel: 15 m Safe working load: 160 kg Travel speed: constant 7 m / min.
Mechanical No-Load / Overload safety system	I.S.S. Intelligent Safety System (*)	Mechanical No-Load / Overload safety system or I.S.S. (option)
Top box for the connection of all electrical wiring to the hoist system Top & bottom travel limit switches + safety over-travel limit switches	Top box for the connection of all electrical wiring to the hoist system. Top & bottom travel limit switches + safety over-travel limit switches	Top box for the connection of all electrical wiring to the hoist system Top & bottom travel limit switches + safety over-travel limit switches
SEW motor-gearbox tri-phase 0.37 kW SEW Frequency converter for Soft start / Soft stop	SEW motor-gearbox tri-phase 0.37 kW SEW intelligent Frequency converter for I.S.S. + Soft start / Soft stop	SEW motor-gearbox tri-phase 0.55 kW SEW Frequency converter for Soft start / Soft stop
4 steel wires diam. 4 mm Standard body: 2 m	4 steel wires diam. 3.2 mm Standard body: 2 m	4 steel wires diam. 4 mm Standard body: 2.2 m

Accessories

ADB supplies not only professional luminaires but also a range of accessories and ancillary equipment. As a one stop shop the best selection of lamps can be supplied with your luminaires. Now is that not easy?

Lamps

Fluorescent lamps
Halogen Lamps
HMI Lamps
Metal Halide Lamps



Spotlight Accessories

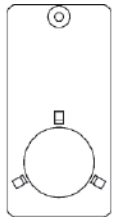
ADB Lighting Technologies

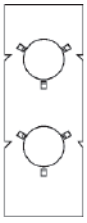
Code	Description						Reference
	G 9.5 Biplane Filament Halogen Lamps (for WARP)						
2990.40.500		230 V	800 W	3200 K	300 h	BP	800W/G9.5/3200K
2990.40.505		230 V	600 W	3200K	300 h	BP	600W/G9.5/3200K
	GY 9.5 Halogen Lamps (for EUROSPOT / "A" Range)						
2990.40.205		230 V	300 W	2800 K	2000 h	M	300W/GY9.5/2800K
2990.40.300		230 V	500 W	3200 K	150 h	MP	500W/GY9.5/3200K
2990.40.305		230 V	500 W	3050 K	400 h	BP	500W/GY9.5/3050K
2990.40.310		230 V	500 W	2900 K	2000 h	M	500W/GY9.5/2900K
2990.40.458		230 V	650 W	3050 K	400 h	M	650W/GY9.5/3050K
	GX 9.5 Halogen Lamps (for EUROPE / TV)						
2990.40.470		230 V	650 W	3000 K	750 h	BP	650W/GX9.5/3000K
2990.40.456		230 V	650 W	3200 K	100 h	BP	650W/GX9.5/3200K
2990.40.603		230 V	1000 W	3050 K	750 h	BP	1000W/GX9.5/3050K
2990.40.600		230 V	1000W	3200K	200 h	BP	1000W/GX9.5/3200K
2990.40.625		230 V	1200W	3200K	200 h	BP	1200W/GX9.5/3200K
	GY 16 Halogen Lamp (for EUROPE / TV)						
2990.40.800		230 V	2000 W	3200 K	400 h	BP	2000W/GY16/3200K
	G 22 Halogen Lamps (for TV)						
2990.40.460		230 V	650 W	3200 K	100 h	BP	650W/G22/3200K
2990.40.610		230 V	1000 W	3200 K	200 h	BP	1000W/G22/3200K
2990.40.803		230 V	2000 W	3200 K	400 h	BP	2000W/G22/3200K
2990.40.618		230 V	2500 W	3200 K	400 h	BP	2500W/G22/3200K
	G 38 Halogen Lamps (for TV)						
2990.40.805		230 V	2000 W	3200 K	400 h	BP	2000W/G38/3200K
2990.42.805		230 V	5000 W	3200 K	400 h	BP	5000W/G38/3200K
	R7S Halogen Lamps (for TV Soft & Fill Lights)						
2990.45.340		230 V	625 W	3200 K	200 h		625W/R7S/3200K
2990.45.400		230 V	1000 W	3000 K	2000 h		1000W/R7S/3000K
2990.45.405		230 V	1000 W	3200 K	200 h		1000W/R7S/3200K
2990.45.450		230 V	1250 W	3200 K	200 h		1250W/R7S/3200K
	E40 Halogen Lamp (for SVOBODA)						
2990.18.230		24 V	250 W	mirrored			M.E40.250
	G22 Metal Halide Lamps (for WARP/DL)						
2990.40.510			575 W	6000 K	1000 h	49,000 lm	MSR/575/HR
2990.40.515			575 W	6000 K	2000 h	46,000 lm	MSD/575/HR
2990.40.516			575 W	6000 K	750 h	49,000 lm	HMI/575/SE
2990.40.517			575 W	6000 K	1000 h	49,000 lm	HMI/575/SEL
	GX9.5 Metal Halide Lamp (for WARP/DL/Rental)						
2990.40.508			575 W	7200 K	1000 h	49,000 lm	MSR/575/2
	GX6.35 Halogen Lamp (for ARRI 150 W luminaire)						
2990.26.500		230 V	150 W	3000 K			150W/GX6.35/3000K
	230 V Fluorescent Lamps (for SOFTLUX Cool Lights)						
2990.18.553	DULUX/L		55 W	3000 K	3000 lm		DULL/55W/930
2990.18.554	DULUX/L		55 W	5400 K	3000 lm		DULL/55W/954
2990.18.551	STUDIOLINE		55 W	3200 K	3800 lm		STUD/55W/32
2990.18.550	STUDIOLINE		55 W	5600 K	3800 lm		STUD/55W/56

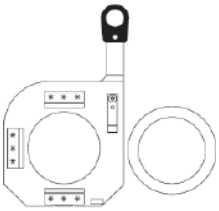
Note:
STUDIOLINE lamps feature an excellent colour stability and a perfect compatibility with halogen and HMI sources.

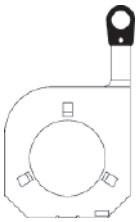
Spotlight Accessories

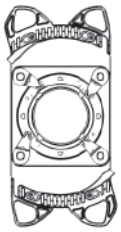
Code	Description	Reference
	Gobo Holders	
1000.40.045	For gobo type M for EUROSPOT	SP/GO/EURO
1000.40.065	Double for gobo type M for A59Z	SP/A650
1000.40.080	For gobo type A (Ø 100) with retention ring for EUROPE	SP-GO/A
1000.40.090	For gobo type B (Ø 85) for EUROPE	SP-GO/B
1000.40.100	Double gobo holder for WARP (rotating) type B	SP/2GO/WARP
1000.40.120	Single gobo holder for WARP (non rotating) type B	SP-GO/WARP

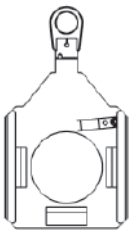

SP/GO/EURO


SP/A650

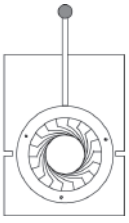

SP-GO/A

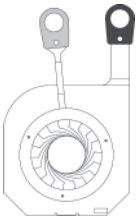

SP-GO/B


SP/2GO/WARP

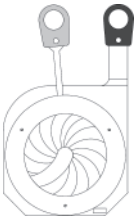

SP-GO/WARP

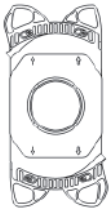
Code	Description	Reference
	Iris Diaphragms	
1000.19.645	Iris Diaphragm for DS/DW 54 spotlights	OR/EURO
1000.19.200	Iris Diaphragm for A59 Z spotlight	OR/A650
1000.19.531	Iris Diaphragm Ø 75 for EUROPE range	OR/75
1000.19.631	Iris Diaphragm Ø 80 for EUROPE range	OR/80
1000.19.541	Iris Diaphragm Ø 80 with black-out for EUROPE range	OR/80/BO
1000.40.110	Combined iris and gobo holder for WARP (rotating) type B	SP/OR-GO/WARP


OR/A650


OR/75

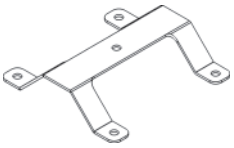
OR/80


OR/80/BO


SP/OR-GO/WARP

General Accessories

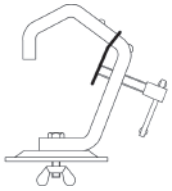
Code	Description	Reference
1092.15.110	Low stand with Ø 4 x 11 mm assembly holes and M10 fixing nut	S2
1092.10.505	Hook clamp for Ø 21 to 48 mm tubes, with M10 tapped hole and M10 x 45 wing screw	A6
1092.10.950	Hook clamp for Ø 34 to 60 mm tubes with DIN spigot adapter	A8
1192.10.550	Hook clamp for Ø 35 to 50 mm tubes, equipped with one M10 x 45 welded screw and one M10 wing nut	A20
1192.10.560	Hook clamp for Ø 35 to 50 mm tubes, with M10 tapped hole and M10 x 35 wing screw	A25
1092.10.550	Hook clamp for Ø 45 to 60 mm tubes, with M10 tapped hole and M10 x 35 wing screw	A30
1092.10.600	Hook clamp for Ø 48 to 51 mm tubes, with clamping collar for WARP/M (2 required)	A40
1015.02.200	Hook clamp for Ø 32 to 52 mm tubes	RC50
1015.02.210	Hook clamp for Ø 50 to 82 mm tubes	RC80
1092.00.092	1.2 m spotlight safety cable	CAS120/N
1092.00.094	0.75 m safety cable for CFN/185, CFN/245, CF/S10 and CF/S20 barndoors	CAS/CF/75
1092.00.093	1 m safety cable for CF/S50 barndoor	CAS/CF/100
1092.20.315	DIN spigot	PIVOT DIN
1092.20.601	DIN spigot adapter	DOUILLE DIN



S2

A6

A8

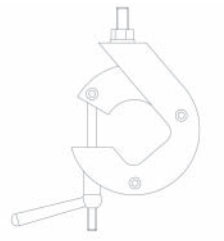


A20

A25

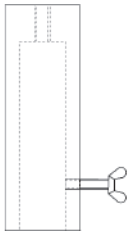
A30

A40



RC 50/ RC 80

PIVOT DIN



DOUILLE DIN

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